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BOARD OF TRADE

MERCHANT SHIPPING

# MEDICAL SCALES

LONDON  
HIS MAJESTY'S STATIONERY OFFICE

1945

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BOARD OF TRADE  
MERCHANT SHIPPING  
MEDICAL SCALES

SCALES OF MEDICINES AND MEDICAL STORES AND  
INSTRUMENTS FOR MERCHANT VESSELS ISSUED  
BY THE BOARD OF TRADE UNDER SECTIONS  
200 AND 300 OF THE MERCHANT  
SHIPPING ACT, 1894

1945 EDITION

(For "Board of Trade" or "Ministry of War Transport" wherever  
referred to in this document, read "Ministry of Transport")



LONDON  
HIS MAJESTY'S STATIONERY OFFICE

1945

(Reprinted 1950)



## NOTE

1. When the Medical Scales were issued in 1931 they were related to the 1914 issue of the British Pharmacopoeia and the 1923 issue of the British Pharmaceutical Codex. New issues of the British Pharmacopoeia in 1932 and of the British Pharmaceutical Codex in 1934 necessitated a reprint of the Medical Scales, 1931, to accord with the new issues and minor alterations were incorporated in the reprint which was issued in 1936.

The effect of the war upon the supply of certain drugs and medicines has entailed a further review of the Scales and the Ministry of War Transport has adopted the recommendations made by the Therapeutic Requirements Committee of the Medical Research Council. These "war-time" amendments are indicated separately in Appendix F. Other amendments have also been incorporated in the present reprint.

2. These Scales comprise three separate Scales and supersede all previous issues.

3. Scale I applies to all ships which are required by law to carry doctors. It replaces Scales I and II as issued in 1929 and the principal points in which it differs from them are set out below.

4. Scale I is based on the recommendations of a Board of Trade Departmental Committee including representatives of the Board of Trade, the Ministry of Health, the Chamber of Shipping of the United Kingdom, the Shipping Federation Limited, the Liverpool Steamship Owners' Association, the Royal College of Surgeons of England, the Royal College of Physicians, and the Pharmaceutical Society of Great Britain. The following are the principal points in which this Scale differs from the 1929 Scales :—

(i) In the 1929 edition, Scales I and II were applicable to ships required by law to carry doctors, Scale I being for North Atlantic passenger ships only and Scale II for other passenger ships. This distinction has now been abolished, and Scale I applies to all ships required by law to carry doctors.

(ii) The former classification of ships according to the numbers on board has been altered, the dividing lines being drawn at 100, 250, 500 and 1,000, instead of 250, 500, 750 and 1,000. The column for ships having on board less than 100 persons is applicable only to emigrant ships ; any other kind of ship having less than 100 persons on board can, of course, use Scale II. If such a ship carries a doctor, the owners may find it desirable to supplement that Scale, which is only intended for use by a layman ; and in that event Scale I for less than 100 persons may prove a useful guide.

(iii) The quantities of drugs, dressings and appliances to be carried are fixed by reference to a unit length of voyage of 30 days in place of the unit of 100 days in Scale II, 1929. The criterion of the length of voyage will be that given in the Emigrant Ship (Voyage Scales) Notice, 1923, see Appendix D.

In the case of a voyage for which no provision is made in the Voyage Scales, the length should be the estimated length of the outward voyage plus a sufficient margin for deviation or delay. It is suggested, however, that owners will doubtless find it advantageous, in view of the high cost of drugs abroad and possible variations in the standards of quality, that vessels regularly employed on particular services should be stocked in this country for the round voyage.

(iv) The list of drugs, dressings, and appliances, has been completely revised with a view to bringing it up to date and at the same time has been simplified by the omission of drugs which are no longer regarded as necessary or are not likely to be required in ordinary circumstances on board ship. Certain instruments are now required to be of rustless and stainless metal throughout; and all drugs, dressings and appliances are required to conform to the standards of the current issue of the British Pharmacopoeia or of the British Pharmaceutical Codex, in cases where such standards are applicable.

(v) Filters have been discarded as a means of purifying water and provision made instead for purification by chlorination, a suitable quantity of stabilised chloride of lime of approved quality being included in the Scale. Directions for the use of this material will be found in the latest edition of the Ship Captain's Medical Guide.

(vi) The list of medical comforts (invalid diet) has been simplified by the omission of such articles as extract of meat and semolina, which are now generally carried as part of the ordinary stores.

5. Scales II and III were made in 1929 on the recommendation of an informal Committee consisting of representatives of the Board of Trade, the Ministry of Health, the Chamber of Shipping of the United Kingdom, the Liverpool Steamship Owners' Association and the Shipping Federation Limited; the Scales came into full operation on the 1st July, 1930. Scale II applies to all ships trading between the United Kingdom and ports abroad, other than the ships to which Scale I and Scale III apply. Scale III applies to ships which are not required to carry doctors and which are employed in trading between the United Kingdom and ports abroad within the limits of Narvik to Corunna and the Baltic Sea south of the line from Hernösand to Wasa.

6. Medicines, instruments and dressings which have previously been passed as conforming to the Scales in force at the time will not be rejected under the present Scales, so long as they remain in good condition. All renewals, however, must comply with the current Scales.

7. Wherever an instrument or an appliance of a particular type is specified in the Scales, another type may be accepted if it is shown to be at least equally efficient.

8. A notice issued by the Board of Trade on the Medical Equipment of Coasting Vessels is reprinted on page 35.

# **MEDICAL SCALES**

## **SCALES OF MEDICINES AND MEDICAL STORES AND INSTRUMENTS FOR MERCHANT VESSELS ISSUED BY THE BOARD OF TRADE UNDER SECTIONS 200 AND 300 OF THE MERCHANT SHIPPING ACT, 1894**

*(Reprinted 1945 by Ministry of War Transport)*

The following scales of medicines and medical stores and instruments for merchant vessels incorporate the revisions which have been made since the scales were first issued. They will come into force forthwith.

The attention of persons supplying medicines and medical stores for use on board ship is called to Sub-Section 7 of Section 200, which provides as follows :—

“ If any person manufactures, sells, or keeps, or offers for sale any medicines or medical stores for use on board ship which are of bad quality, he shall, for each offence, be liable to a fine not exceeding £20.”

Dated this 14th day of April 1945.

**T. G. JENKINS,**

Deputy Director General of  
Ministry of War Transport.

## SCALE I.—FOR ALL SHIPS REQUIRED BY LAW TO CARRY DOCTORS.

### QUANTITIES

(a) All drugs, dressings and sundries of this scale, except where indicated by an “\*” shall be increased by 50 per cent. for voyages of from thirty-one to sixty days’ duration ; by 75 per cent. for voyages of from sixty-one to one hundred days’ duration ; and by 100 per cent. for voyages of more than one hundred days’ duration.

(b) For every additional 500 passengers and crew over and above 1,000, or portion thereof, an increase of 10 per cent. to the quantities of drugs, dressings and appliances shall be added to the column for 1,000 passengers and crew, except where indicated by an “\*”.

### DIRECTIONS TO DRUGGISTS

Drugs, dressings and appliances are to conform to the standards and dispensing and wrapping requirements of the current issue of the British Pharmacopoeia or British Pharmaceutical Codex or to the National War Formulary, where those standards are applicable. Attention is drawn to special requirements in the dispensing of certain preparations, e.g. ointments and suppositories, affected by tropical conditions.

Drugs should be plainly and durably labelled to show :

- (a) the official, Latin, name of the contents ;
- (b) the official, B.P. or B.P.C., minimum and maximum dose of the contents for an adult ;
- (c) the name and address of the supplier—this should be indicated on a separate label, which must not occupy more than 25 per cent. of the total label space.

Labels are to be rendered resistant to moisture either by the use of an efficient label varnish, which must cover the label and overlap the edges, or by some alternative method the effect of which is not inferior to varnishing.

Bottles are to be glass stoppered. All medicines indicated thus “p” are to be marked with a red poison label and kept in a separate locker under lock and key.

Articles marked thus † are to be carried in green or amber fluted bottles and labelled “For external use only.”

Articles marked ‡ are to comply with the Therapeutic Substances Act, 1925.

# SCALE I.—DRUGS

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>                        | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |          |          |          |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------|----------|----------|
|                                                                                                               | 99                                                                                                      | 250      | 500      | 1000     |
| Acidum acetyl-salicylicum (in 5 gr. tablets).                                                                 | 100                                                                                                     | 150      | 300      | 400      |
| „ boricum (in powder) ..                                                                                      | 4 oz.                                                                                                   | 6 oz.    | 12 oz.   | 16 oz.   |
| „ hydrochloricum dilutum ..                                                                                   | 1 „                                                                                                     | 1½ „     | 3 „      | 4 „      |
| *Acidum phosphoricum dilutum ..                                                                               | 1 „                                                                                                     | 1½ „     | 3 „      | 4 „      |
| „ p*salicylicum ..                                                                                            | ½ „                                                                                                     | ½ „      | ½ „      | ½ „      |
| „ sulphuricum dilutum ..                                                                                      | 1 „                                                                                                     | 1½ „     | 3 „      | 4 „      |
| „ tannicum, 110 grs. with acriflavina, 5 grs. (in packets to make ½ pint of solution).                        | 10 pkts.                                                                                                | 10 pkts. | 15 pkts. | 20 pkts. |
| Aether (in amber coloured bottles)                                                                            | 6 oz.                                                                                                   | 8 oz.    | 12 oz.   | 16 oz.   |
| *Aether Anæstheticus (in sealed amber coloured containers)                                                    | 10 „                                                                                                    | 10 „     | 20 „     | 20 „     |
| *Aethylis chloridum, 50 gram tubes (for local spray anæsthesia) or alternatively,                             | 2 tubes                                                                                                 | 2 tubes  | 2 tubes  | 2 tubes  |
| *Hewitt's nitrous oxide gas apparatus with 2 face pieces (adult and child) and 3 Hewitt's mouth props, and :— | 1                                                                                                       | 1        | 1        | 1        |
| *Nitrous oxide gas cylinders (50 gallon).                                                                     | 1                                                                                                       | 1        | 2        | 2        |
| Ammonii carbonas. (To be provided in lump form freshly scraped.)                                              | 1 oz.                                                                                                   | 1½ oz.   | 3 oz.    | 4 oz.    |
| *Amyl. nitris (in 5 m. capsules for inhalation).                                                              | 1 doz.                                                                                                  | 1 doz.   | 2 doz.   | 2 doz.   |
| Amylum .. .. .                                                                                                | 2 oz.                                                                                                   | 3 oz.    | 6 oz.    | 8 oz.    |
| *Aqua destillata .. .. .                                                                                      | 1 gall.                                                                                                 | 1 gall.  | 1 gall.  | 1 gall.  |
| *†Argenti nitras induratus (in points to fit holders supplied).                                               | 3 points                                                                                                | 3 points | 3 points | 3 points |
| *Argenti proteinas (in amber coloured bottles).                                                               | 1 drachm                                                                                                | 1 drachm | 1 drachm | 1 drachm |
| *Applicatio Benzylis Benzoatis ..                                                                             | 48 oz.                                                                                                  | 48 oz.   | 80 oz.   | 80 oz.   |
| øBismuthi carbonas .. .. .                                                                                    | 4 „                                                                                                     | 6 „      | 12 „     | 16 „     |
| *Borax .. .. .                                                                                                | 4 „                                                                                                     | 4 „      | 4 „      | 4 „      |
| Calamina .. .. .                                                                                              | 2 „                                                                                                     | 3 „      | 4 „      | 6 „      |
| *Calcii hydroxidum (for preparing lime water).                                                                | 2 „                                                                                                     | 2 „      | 2 „      | 2 „      |
| *Calcii oxidum (unslaked lime in sealed half pound tins).                                                     | 1 tin                                                                                                   | 1 tin    | 1 tin    | 1 tin    |
| Chlorbutol (in 5 grain tablets).                                                                              | 20                                                                                                      | 30       | 40       | 60       |
| *Chloroformum (in amber coloured 2 oz. ampoules).                                                             | 6 oz.                                                                                                   | 8 oz.    | 12 oz.   | 20 oz.   |

ø See Appendix F for war-time variation.

SCALE I.—DRUGS—continued.

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>                                                               | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |                    |               |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------|---------------|---------------|
|                                                                                                                                                      | 99                                                                                                      | 250                | 500           | 1000          |
| (a)†Guttae Cocainae B.P.C. ..                                                                                                                        | 1 oz.                                                                                                   | 1 oz.              | 1 oz.         | 1 oz.         |
| *Collodium flexible (methylated) ..                                                                                                                  | 4 „                                                                                                     | 4 „                | 4 „           | 4 „           |
| *Dextrosum (anhydrous) ..                                                                                                                            | 8 „                                                                                                     | 8 „                | 8 „           | 8 „           |
| (b)†Diphtheria antitoxin, to be supplied in concentrated serum containing not less than 1,500 units per c.c.                                         | 40,000 units.                                                                                           | 40,000 units.      | 60,000 units. | 80,000 units. |
| Disinfectants—                                                                                                                                       |                                                                                                         |                    |               |               |
| (c)*Commercial carbolic or cresylic acid disinfectant of approved quality and                                                                        | 2 galls.                                                                                                | 3 galls.           | 4 galls.      | 6 galls.*     |
| (c)*Crude stabilised chloride of lime of approved quality in 10 lb. tins (enamelled).                                                                | 2 tins                                                                                                  | 3 tins             | 4 tins        | 6 tins        |
| or (c)*Sodium hypochlorite solution of approved quality.                                                                                             | 6 galls.                                                                                                | 9 galls.           | 12 galls.     | 18 galls.     |
| (d)*Calx chlorinata (Stabilised) for sterilisation of drinking water (in $\frac{1}{2}$ lb. sealed tins).                                             | 2 tins                                                                                                  | 2 tins             | 2 tins        | 2 tins        |
| *pEmetinae hydrochloridum (tablets of gr. $\frac{1}{2}$ in tubes of 20).                                                                             | 1 tube                                                                                                  | 1 tube             | 1 tube        | 1 tube        |
| ø*Emplastrum belladonnae ( $7\frac{1}{2}$ in. $\times$ 5 in.).                                                                                       | $\frac{1}{2}$ doz.                                                                                      | $\frac{1}{2}$ doz. | 1 doz.        | 1 doz.        |
| pEphedrinae hydrochloridum (in $\frac{1}{2}$ gr. tablets).                                                                                           | 25                                                                                                      | 25                 | 50            | 50            |
| Extractum cascarae sagradae siccum (2 gr. tablets (gelatin coated)).                                                                                 | 30                                                                                                      | 45                 | 90            | 120           |
| (e)*†Extractum pituitarii liquidum, posterior lobe (in ampoules of 0.5 c.c.). Each c.c. to contain 10 international units. To be kept in cold store. | 6 amps.                                                                                                 | 6 amps.            | 6 amps.       | 6 amps.       |
| Ferri et ammonii citras ..                                                                                                                           | 1 oz.                                                                                                   | 1½ oz.             | 3 oz.         | 4 oz.         |
| Ferri sulphas exsiccatus (3 gr. tabs., coated).                                                                                                      | 100                                                                                                     | 150                | 300           | 400           |

- (a) In bottle with dropper attached and labelled as follows :
- “ (1) For use in removing foreign bodies from the eye.
  - (2) With the aid of the dropper put two drops in the eye.
  - (3) Wait five minutes.
  - (4) Put two more drops in the eye.
  - (5) Wait five minutes.
  - (6) Put in two more drops.
  - (7) The eye should then be ready. Care must be taken that the instrument used is perfectly clean. After the removal of the foreign body, bandage the eye for six hours.”
- (b) To be kept constantly at a temperature not less than 34° F. or higher than 50° F. The date after which the anti-toxin is not to be used is stated on the label
- (c) For conditions of approval and quantities to be carried see Appendix A.
- (d) For conditions of approval see Appendix C.
- (e) To be renewed within 18 months of date of issue on the label.
- ø See Appendix F for war-time variation.

SCALE I.—DRUGS—continued.

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>            | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |         |          |          |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------|----------|----------|
|                                                                                                   | 99                                                                                                      | 250     | 500      | 1000     |
| Glycerinum .. .. .                                                                                | 6 oz.                                                                                                   | 9 oz.   | 18 oz.   | 24 oz.   |
| Glycerinum acidi tannici .. ..                                                                    | 1 „                                                                                                     | 1½ „    | 3 „      | 4 „      |
| Hexamina (in 5 gr. tablets) ..                                                                    | 40                                                                                                      | 60      | 120      | 160      |
| Hydrargyri subchloridum (in 1 gr. tablets).                                                       | 30                                                                                                      | 45      | 90       | 120      |
| Hydrargyri subchloridum (in ½ gr. tablets).                                                       | 60                                                                                                      | 90      | 180      | 240      |
| *p†Hydrargyri perchloridum (8.75 grains in tablets each making 1000 solution in 1 pint of water). | 50                                                                                                      | 50      | 50       | 50       |
| Hydrargyrum cum creta (in 1 gr. tablets).                                                         | 30                                                                                                      | 45      | 90       | 120      |
| Hypodermic Tablets—                                                                               |                                                                                                         |         |          |          |
| *pApomorphinae hydrochloridum, 1 gr.                                                              | 24                                                                                                      | 24      | 24       | 24       |
| *pAtropinae sulphas, 1½ gr. ..                                                                    | 24                                                                                                      | 24      | 24       | 24       |
| *pDiamorphinae hydrochloridum, 1½ gr. in tubes of 20.                                             | 2 tubes                                                                                                 | 2 tubes | 2 tubes  | 2 tubes  |
| *pHyoscinae hydrobromidum 1 gr.                                                                   | 1 doz.                                                                                                  | 1 doz.  | 1 doz.   | 1 doz.   |
| pMorphinae sulphas, ½ gr. ..                                                                      | 4 „                                                                                                     | 4 „     | 6 „      | 8 „      |
| *pStrophanthinum 1½ gr. in tubes of 20.                                                           | 1 tube                                                                                                  | 1 tube  | 1 tube   | 1 tube   |
| *pStrychninae hydrochloridum, 3 gr.                                                               | 2 doz.                                                                                                  | 2 doz.  | 2 doz.   | 2 doz.   |
| Infusum buchu concentratum ..                                                                     | 4 oz.                                                                                                   | 4 oz.   | 6 oz.    | 6 oz.    |
| *Injectio bismuthi (0.2 gram in 1 c.c. in ampoules of 1 c.c., Dose 0.5 to 1.0 c.c.).              | 6 amps.                                                                                                 | 6 amps. | 12 amps. | 12 amps. |
| *Injectio camphorae aetherea (in ampoules of 1 c.c.).                                             | 12 „                                                                                                    | 12 „    | 12 „     | 12 „     |
| *pInjectio mersalyli (1 c.c. ampoules) equivalent of Salyrgan.                                    | 6 „                                                                                                     | 6 „     | 12 „     | 12 „     |
| *Injectio nikethamidi (2 c.c. ampoules) equivalent of Coramine.                                   | 12 „                                                                                                    | 12 „    | 24 „     | 24 „     |
| (a) *†Insulinum (in tubes of 100 units)                                                           | 4 tubes                                                                                                 | 4 tubes | 4 tubes  | 4 tubes  |
| *p†Lamellae atropinae 1000 gr. (tubes of 20).                                                     | 2 „                                                                                                     | 2 „     | 2 „      | 2 „      |
| *p†Lamellae cocainae 1 gr. (tubes of 20).                                                         | 2 „                                                                                                     | 2 „     | 2 „      | 2 „      |
| *p†Lamellae physostigminae 1000 gr. (tubes of 20).                                                | 2 „                                                                                                     | 2 „     | 2 „      | 2 „      |
| pLinctus diamorphinae et scillae ..                                                               | 1 oz.                                                                                                   | 1½ oz.  | 3 oz.    | 4 oz.    |

(a) To be kept constantly at a temperature not less than 34° F. or higher than 50° F. Not to be used more than 18 months after the date of manufacture as stated on label.

See Appendix F for war-time variation.

SCALE I.—DRUGS—continued.

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>                                                                                                                             | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |                                   |                                   |                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                                                                                                                                                                                                                    | 99                                                                                                      | 250                               | 500                               | 1000                              |
| ø†Linimentum saponis (methylated)                                                                                                                                                                                  | 10 oz.                                                                                                  | 15 oz.                            | 30 oz.                            | 40 oz.                            |
| p†Linimentum terebinthinae ..                                                                                                                                                                                      | 8 "                                                                                                     | 8 "                               | 12 "                              | 16 "                              |
| (a)*Liquor adrenalinae hydrochloridi (in amber coloured bottle).                                                                                                                                                   | 1 "                                                                                                     | 1 "                               | 1 "                               | 1 "                               |
| Liquor ammonii acetatis fortis ..                                                                                                                                                                                  | 2 "                                                                                                     | 3 "                               | 6 "                               | 8 "                               |
| *p†Liquor cresolis saponatus (Lysol)                                                                                                                                                                               | 8 "                                                                                                     | 8 "                               | 8 "                               | 8 "                               |
| Liquor ferri perchloridi ..                                                                                                                                                                                        | 1 "                                                                                                     | 1½ "                              | 3 "                               | 4 "                               |
| Liquor hydrargyri perchloridi ..                                                                                                                                                                                   | 1 "                                                                                                     | 1½ "                              | 3 "                               | 4 "                               |
| (b) Liquor hydrogenii peroxidii (10 volumes). To be supplied in green or amber coloured bottles for quantities less than 1 pint, and in earthenware bottles with screw stoppers for quantities of 1 pint and over. | 4 "                                                                                                     | 6 "                               | 12 "                              | 16 "                              |
| Liquor iodi mitis ..                                                                                                                                                                                               | 4 "                                                                                                     | 6 "                               | 8 "                               | 12 "                              |
| *pLiquor morphinae hydrochloridi                                                                                                                                                                                   | 2 "                                                                                                     | 2 "                               | 2 "                               | 2 "                               |
| †Liquor plumbi subacetatis fortis ..                                                                                                                                                                               | 2 "                                                                                                     | 2 "                               | 3 "                               | 4 "                               |
| ø*†Liquor potassii hydroxidi ..                                                                                                                                                                                    | 4 "                                                                                                     | 4 "                               | 4 "                               | 4 "                               |
| pLiquor strychninae hydrochloridi ..                                                                                                                                                                               | 1½ "                                                                                                    | 1½ "                              | 2 "                               | 3 "                               |
| øLiquor thymolis compositus ..                                                                                                                                                                                     | 4 "                                                                                                     | 4 "                               | 6 "                               | 8 "                               |
| Magnesii carbonas ponderosus ..                                                                                                                                                                                    | 4 "                                                                                                     | 6 "                               | 12 "                              | 16 "                              |
| øMagnesii sulphas (to be put in 1 oz. packets).                                                                                                                                                                    | 4 lbs.                                                                                                  | 6 lbs.                            | 12 lbs.                           | 16 lbs.                           |
| (c) Mepacrinae hydrochloridum.<br>Tablets of 0·1 gramme.                                                                                                                                                           | 30 tablets per member of the crew                                                                       | 30 tablets per member of the crew | 30 tablets per member of the crew | 30 tablets per member of the crew |
| Mepacrinae methano sulphonas, in ampoules containing the equivalent of 0·1 gramme of Mepacrinae hydrochloridum.                                                                                                    | 6 amps.                                                                                                 | 6 amps.                           | 6 amps.                           | 6 amps.                           |
| *Methylated spirit ..                                                                                                                                                                                              | 1 qt.                                                                                                   | 1 qt.                             | 2 qts.                            | 2 qts.                            |
| ø*pMethylsulphonal (gr. 5 in tablets)                                                                                                                                                                              | 25                                                                                                      | 25                                | 50                                | 50                                |
| Mistura sennae composita ..                                                                                                                                                                                        | 6 pts.                                                                                                  | 8 pts.                            | 16 pts.                           | 24 pts.                           |
| øOleum olivae ..                                                                                                                                                                                                   | 6 oz.                                                                                                   | 8 oz.                             | 16 oz.                            | 24 oz.                            |
| Oleum ricini ..                                                                                                                                                                                                    | 8 "                                                                                                     | 12 "                              | 24 "                              | 32 "                              |
| *Oleum terebinthinae ..                                                                                                                                                                                            | 3 "                                                                                                     | 3 "                               | 3 "                               | 3 "                               |

(a) To be kept constantly at a temperature not less than 34° F. or higher than 50° F.

(b) To be kept in a cool place.

(c) This drug is to be carried on voyages to ports on the West or East Coasts of Africa between latitudes 20°N. and 20°S., in Madagascar or other Islands in the Indian Ocean or in the East Indies. It is to replace quinine as a malaria preventive.

ø See Appendix F for war-time variation.

SCALE I.—DRUGS—continued.

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>              | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |         |         |         |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------|---------|---------|
|                                                                                                     | 99                                                                                                      | 250     | 500     | 1000    |
| (a)*Oxygen (20ft. cylinders with nozzle, key, 6 ft. of rubber tubing and funnel).                   | 1 cyl.                                                                                                  | 1 cyl.  | 2 cyl.  | 2 cyl.  |
| *Paraffinum liquidum .. ..                                                                          | 10 oz.                                                                                                  | 10 oz.  | 20 oz.  | 20 oz.  |
| Paraffinum molle flavum .. ..                                                                       | 12 „                                                                                                    | 18 „    | 36 „    | 48 „    |
| †Paraformaldehydum, in tablets for fumigation, with two suitable lamps.                             | 1 lb.                                                                                                   | 1 lb.   | 1 lb.   | 1 lb.   |
| (b)*pParaldehydum (in amber coloured bottle).                                                       | 4 oz.                                                                                                   | 4 oz.   | 8 oz.   | 8 oz.   |
| Phenol liquefactum .. ..                                                                            | 1 „                                                                                                     | 1½ „    | 3 „     | 4 „     |
| (c)Pilula colocynthidis et hyoscyami (gr. 4).                                                       | 4 doz.                                                                                                  | 6 doz.  | 8 doz.  | 10 doz. |
| (c)*pPilula digitalis co. (Guy's pills)                                                             | 4 „                                                                                                     | 4 „     | 4 „     | 4 „     |
| (c)*Pilula hydrargyri (4 grains) ..                                                                 | 4 „                                                                                                     | 4 „     | 4 „     | 4 „     |
| (c)Pilula rhei composita (4 grs.) ..                                                                | 4 „                                                                                                     | 6 „     | 8 „     | 10 „    |
| (c)*pPilula saponis cum opio ..                                                                     | 2 „                                                                                                     | 2 „     | 2 „     | 2 „     |
| øPotassii bicarbonas .. ..                                                                          | 4 oz.                                                                                                   | 6 oz.   | 12 oz.  | 16 oz.  |
| øPotassii bromidum .. ..                                                                            | 8 „                                                                                                     | 8 „     | 16 „    | 16 „    |
| Potassii chloras (in 5 gr. tablets) ..                                                              | 40                                                                                                      | 60      | 120     | 160     |
| ø*Potassii citras .. ..                                                                             | 4 oz.                                                                                                   | 6 oz.   | 8 oz.   | 12 oz.  |
| øPotassii iodidum .. ..                                                                             | 1 „                                                                                                     | 1½ „    | 3 „     | 4 „     |
| Potassii permanganas .. ..                                                                          | 2 „                                                                                                     | 3 „     | 6 „     | 8 „     |
| Potassii permanganas (in ½ gr. tablets for irrigation).                                             | 40                                                                                                      | 60      | 120     | 160     |
| pProcainæ hydrochloridum (syn. Ethocaine hydrochloride) in 2 per cent. solution in 2 c.c. ampoules. | 6 amps.                                                                                                 | 6 amps. | 6 amps. | 6 amps. |
| *Pulvis acaciæ .. ..                                                                                | 2 oz.                                                                                                   | 2 oz.   | 2 oz.   | 2 oz.   |
| pPulvis ipecacuanhæ et opii (syn. Dover's powder) in 5 gr. tablets.                                 | 50                                                                                                      | 75      | 150     | 200     |
| *Pulvis rhei compositus .. ..                                                                       | 4 oz.                                                                                                   | 4 oz.   | 4 oz.   | 4 oz.   |
| (d)Quininae dihydrochloridum (5 grains in 1 c.c. of solution, in ampoules).                         | 6 amps.                                                                                                 | 6 amps. | 6 amps. | 6 amps. |
| (d)Quininae bisulphas (in 5 gr. tablets, uncoated).                                                 | 50                                                                                                      | 75      | 100     | 150     |
| (d)Quininae bisulphas, in powder ..                                                                 | ½ oz.                                                                                                   | ¾ oz.   | 1½ oz.  | 2 oz.   |
| Sodii bicarbonas .. ..                                                                              | 2 lb.                                                                                                   | 3 lbs.  | 4 lbs.  | 6 lbs.  |
| Sodii chloridum (solution tablets 15-75 gr. 5 tablets make 1 pint of normal saline solution).       | 50                                                                                                      | 100     | 150     | 200     |

(a) To be (1) marked as to contents, name of firm by whom compressed and date of last cylinder test; (2) covered with coir rope matting or rope grommets; and (3) stored away from heat, e.g., radiators.

(b) To be kept in a cool place.

(c) To be gelatine coated.

(d) When on voyages to ports on the West or East Coasts of Africa between latitudes 20°N. and 20°S., in Madagascar or other Islands in the Indian Ocean or in the East Indies, not less than twice the quantities specified above should be carried.

ø See Appendix F for war-time variation.

SCALE I.—DRUGS—continued.

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>                                                                                    | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |                   |                   |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------|
|                                                                                                                                                                           | 99                                                                                                      | 250               | 500               | 1000        |
| *Sodii citras .. .. .                                                                                                                                                     | 6 oz.                                                                                                   | 8 oz.             | 12 oz.            | 16 oz.      |
| Sodii salicylas (in flake) .. .. .                                                                                                                                        | 4 "                                                                                                     | 6 "               | 12 "              | 16 "        |
| Sodii phosphas acidus (in powder). .. .. .                                                                                                                                | 6 "                                                                                                     | 8 "               | 12 "              | 16 "        |
| Spiritus aetheris nitrosi (to be carried in 2 oz. sealed and amber coloured bottles).                                                                                     | 2 "                                                                                                     | 4 "               | 6 "               | 8 "         |
| øSpiritus ammoniae aromaticus .. .. .                                                                                                                                     | 6 "                                                                                                     | 8 "               | 16 "              | 20 "        |
| øSpiritus chloroformi .. .. .                                                                                                                                             | 2 "                                                                                                     | 3 "               | 6 "               | 8 "         |
| øSpiritus menthae piperitae .. .. .                                                                                                                                       | $\frac{1}{2}$ "                                                                                         | $\frac{3}{4}$ "   | 1 $\frac{1}{2}$ " | 2 "         |
| †Spiritus saponis kalini (meth.) .. .. .                                                                                                                                  | 2 "                                                                                                     | 3 "               | 4 "               | 6 "         |
| *Spiritus rectificatus .. .. .                                                                                                                                            | 4 "                                                                                                     | 4 "               | 4 "               | 4 "         |
| pSulphapyridinum 7 $\frac{1}{2}$ gr. tablets (0.5 grm.).                                                                                                                  | 250 tablets                                                                                             | 250 tablets       | 250 tablets       | 250 tablets |
| pSulphanilamidum or its equivalents ; 7 $\frac{1}{2}$ gr. tablets (0.5 grm.)                                                                                              | 250 "                                                                                                   | 250 "             | 250 "             | 250 "       |
| pPulv. Sulphanilamidum B.P. in metal canisters (with sprinkler tops) of 1 oz.                                                                                             | 4 ozs.                                                                                                  | 4 ozs.            | 6 ozs.            | 6 ozs.      |
| pSulphathiazolum 0.5 gramme tablets in bottles containing 60 tablets.                                                                                                     | 6 bots.                                                                                                 | 12 bots.          | 24 bots.          | 48 bots.    |
| *Sulphur sublimatum .. .. .                                                                                                                                               | 6 oz.                                                                                                   | 6 oz.             | 6 oz.             | 6 oz.       |
| ø(a)*Suppositorium hamamelidis— as R. }<br>Hamamelin gr. iii. }<br>Benzamine lactate gr. $\frac{1}{2}$ }<br>Bismuth subgallate gr. x. }<br>Oil of theobroma to gr. xxx. } | 1 doz.                                                                                                  | 1 doz.            | 2 doz.            | 2 doz.      |
| (a)*pSuppositoria morphinae, grain $\frac{1}{4}$                                                                                                                          | 1 "                                                                                                     | 1 "               | 1 "               | 1 "         |
| Surgical spirit .. .. .                                                                                                                                                   | 10 oz.                                                                                                  | 10 oz.            | 10 oz.            | 10 oz.      |
| ø*pSyrupus chloralis .. .. .                                                                                                                                              | 4 "                                                                                                     | 4 "               | 8 "               | 8 "         |
| ø*Syrupus toltanus .. .. .                                                                                                                                                | 4 "                                                                                                     | 4 "               | 6 "               | 8 "         |
| *pTabella glycerylis trinitratis (syn. Trinitrin tablet).                                                                                                                 | 25 "                                                                                                    | 25 "              | 25 "              | 25 "        |
| øTabellæ phenacetini compositæ .. .. .                                                                                                                                    | 50                                                                                                      | 75                | 100               | 150         |
| Thyroideum (in $\frac{1}{2}$ gr. tablets) .. .. .                                                                                                                         | 50                                                                                                      | 50                | 100               | 100         |
| *pTinctura belladonnae .. .. .                                                                                                                                            | 2 oz.                                                                                                   | 2 oz.             | 2 oz.             | 2 oz.       |
| *Tinctura benzoini composita .. .. .                                                                                                                                      | 2 "                                                                                                     | 3 "               | 6 "               | 8 "         |
| Tinctura cardamomi composita .. .. .                                                                                                                                      | 2 "                                                                                                     | 3 "               | 6 "               | 8 "         |
| pTinctura chloroformi et morphinae B.P.C.                                                                                                                                 | 2 "                                                                                                     | 3 "               | 6 "               | 8 "         |
| pTinctura digitalis .. .. .                                                                                                                                               | 1 "                                                                                                     | 1 $\frac{1}{2}$ " | 3 "               | 4 "         |
| øTinctura gentianae composita .. .. .                                                                                                                                     | 6 "                                                                                                     | 9 "               | 18 "              | 24 "        |
| Tinctura hyoscyami .. .. .                                                                                                                                                | 2 "                                                                                                     | 3 "               | 6 "               | 8 "         |
| Tinctura ipecacuanhæ .. .. .                                                                                                                                              | 4 "                                                                                                     | 6 "               | 12 "              | 16 "        |
| *Tinctura lobeliae aetherea .. .. .                                                                                                                                       | 4 "                                                                                                     | 6 "               | 8 "               | 12 "        |
| pTinctura nucis vomicae .. .. .                                                                                                                                           | 2 "                                                                                                     | 3 "               | 6 "               | 8 "         |
| pTinctura opii .. .. .                                                                                                                                                    | 4 "                                                                                                     | 6 "               | 8 "               | 12 "        |

(a) To be kept in a cool place.

ø See Appendix F. for war-time variation.

SCALE I.—DRUGS—continued.

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i> | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |        |        |        |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------|--------|--------|
|                                                                                        | 99                                                                                                      | 250    | 500    | 1000   |
| Tinctura opii camphorata . . . . .                                                     | 4 oz.                                                                                                   | 6 oz.  | 12 oz. | 16 oz. |
| Tinctura scillae . . . . .                                                             | 2 „                                                                                                     | 3 „    | 6 „    | 8 „    |
| ø*Tinctura valerianae ammoniata . .                                                    | 4 „                                                                                                     | 4 „    | 4 „    | 4 „    |
| Tinctura zingiberis mitis . . . . .                                                    | 1 „                                                                                                     | 1½ „   | 3 „    | 4 „    |
| (a)*†pTrinitrophenol (syn. Picric acid).                                               | 1 „                                                                                                     | 1 „    | 1 „    | 1 „    |
| Unguentum acid boric 1% in Paraffin ointment.                                          | 4 „                                                                                                     | 6 „    | 12 „   | 16 „   |
| Unguentum hydrargyri 30% Hg.                                                           | 2 „                                                                                                     | 2 „    | 3 „    | 4 „    |
| Unguentum hydrargyri ammoniati 2.5% in simple ointment.                                | 2 „                                                                                                     | 3 „    | 6 „    | 8 „    |
| Unguentum hydrargyri nitratis dilutum.                                                 | 2 „                                                                                                     | 3 „    | 6 „    | 8 „    |
| *Unguentum hydrargyri oxidi flavi                                                      | 2 „                                                                                                     | 2 „    | 2 „    | 2 „    |
| Unguentum methylis salicylatis . .                                                     | 4 „                                                                                                     | 4 „    | 6 „    | 8 „    |
| Unguentum zinci oxidi . . . . .                                                        | 4 „                                                                                                     | 6 „    | 12 „   | 16 „   |
| (b)‡Vaccinum vacciniæ (vaccine lymph, in 5 dose tubes).                                | An amount equivalent to one dose for every other person on board.                                       |        |        |        |
| (c)*‡Vaccinum typho-paratyphosum (syn. T.A.B. Vaccine in 10 c.c. vials).               | 1 vial                                                                                                  | 1 vial | 1 vial | 1 vial |
| ø*Vinum antimoniale . . . . .                                                          | 1 oz.                                                                                                   | 1 oz.  | 2 oz.  | 2 oz.  |
| ø*Vinum colchici . . . . .                                                             | 1 „                                                                                                     | 1 „    | 1 „    | 1 „    |
| Zinci oxidum . . . . .                                                                 | 1 „                                                                                                     | 1½ „   | 3 „    | 4 „    |
| *Zinci sulphas . . . . .                                                               | 2 „                                                                                                     | 2 „    | 2 „    | 2 „    |

(a) As regards the carriage of picric acid powder special attention is directed to the necessity for strict compliance with the requirements set out in Order in Council (No. 26) dated the 28th June, 1926, No. 823, and, in particular, to clause (b) relating to the carriage of quantities not exceeding 1 lb.

(b) To be kept constantly at a temperature of approximately 14° F. to 20° F. and to be replaced within 6 months of the date of issue on the label.

(c) To be kept constantly at a temperature not less than 34° F. or higher than 50° F. and to be renewed within 18 months of the date of issue on the label.

# SCALE I.—INSTRUMENTS AND APPLIANCES IRRESPECTIVE OF NUMBERS AND LENGTH OF VOYAGE

1 Operating table (folding metal or other approved type).

1 Sterilizer (large enough to contain midwifery forceps).

In metal case or washable canvas roll :—

(a) 1 Spencer Wells artery forceps.

(a) 1 Dressing forceps.

(a) 1 Dissecting forceps.

(a) 1 Scalpel.

1 Probe with eye (silver).

(a) 1 Probe-pointed director.

(a) 1 pair blunt-pointed scissors.

(a) 1 pair scissors (one blade sharp-pointed and the other blunt-pointed).

(a) 1 Eye spud (with covered point).

(a) 1 Sinus forceps.

2 Sealed glass tubes containing semi-curved Hagedorn needle fitted with 28 inch length of No. 1 30 day catgut.

1 Sealed glass tube containing semi-curved Hagedorn needle threaded with 28 inch length of medium silk.

(a) 2 Vaccine lancets.

In metal lined case with trays (a white enamelled glass shelved instrument case will be accepted in lieu) :—

1 Ferguson's small saw.

1 Amputating saw.

(a) 1 6-inch amputating knife.

(a) 1 Syme's ankle-joint knife.

(a) 4 Scalpels.

(a) 1 Curved sharp-pointed bistoury.

(a) 1 Hernia knife.

(a) 1 Hernia director.

(a) 1 sharp pointed tenotomy knife (Guy's pattern).

(a) 2 Dissecting forceps.

(a) 1 Bone forceps (bent) (Listons).

(a) 12 Spencer Wells pressure forceps.

(a) 2 large Spencer Wells pressure forceps (8 in.).

(a) 1 Tongue forceps (Guy's pattern).

(a) 1 Œsophageal forceps.

(a) 1 pair scissors 6 in. blunt-pointed.

(a) 1 pair scissors 6 in. sharp-pointed.

(a) 1 Needle holder (London Hospital pattern).

2 Wound retractors—double ended (Navy pattern 1 in.).

1 Bone gouge  $\frac{1}{4}$  in.

1 Metal mallet lead faced.

1 Solid metal trephine ( $\frac{3}{4}$  in. size).

1 Trephine elevator.

3 Ear specula (small, medium, large).

(a) 2 Trocars and canulas.

1 Aneurism needle.

(a) 1 Gag with handles (Mason's).

3 Silver-plated catheters (Nos. 4, 8 and 12 ; with prostatic curve).

1 Case containing 3 tracheotomy double tubes, assorted (including child's size), 1 trachea dilator and 1 sharp hook.

2 metal hypodermic cases, each with one syringe, all glass or metal or both (the barrel and plunger in separate compartments), each graduated 1 c.c. and 20 minims and with 2 stainless needles.

(a) 1 Ear Syringe, metal 4 oz.

1 Antitoxin syringe 10 c.c. Record type with two needles, in metal case.

1 Aspirator (Gunewardene or similar pattern) complete with 2 trocars and canulas, in case.

(b) Flexible urethral bougies (filiform and Nos. 1, 2, 4, 6 and 8, English gauge).

(b) Soft rubber catheters with solid ends (4, 6, 8, 10 and 12, English gauge).

(b) 1 Full set of flexible olivary-headed catheters with solid ends.

(b) Drainage tubing (rubber) 1 foot lengths of Nos. 5, 10 and 20 gauge.

(b) 1 Esmarch's or other approved tourniquet.

1 Œsophageal probang with bristles.

1 Set of dental forceps in canvas roll :—

1 Upper incisor.

1 lower incisor.

1 upper molar (right).

1 upper molar (left).

1 lower molar.

1 upper root.

1 lower root.

(c) 1 Set midwifery instruments in canvas roll.

1 long forceps.

1 craniotomy forceps.

1 blunt curette.

1 perforator, and

1 blunt book and crochet.

(a) As in note (a) on page 14.

(b) To be supplied in a sufficient quantity of French Chalk.

(c) Midwifery instruments need not be carried if there are no women passengers on board.

SCALE I. INSTRUMENTS AND APPLIANCES—*continued.*

- (a) Needles, round-bodied and cutting, assorted sizes (straight, half curved and curved), 3 dozen.  
 3 Clinical thermometers in metal cases, self registering, N.P.L. tested.  
 1 Binaural stethoscope complete.  
 1 Forehead reflector.  
 3 Throat mirrors, sizes 2, 4 and 6.  
 1 Schimmelbusch mask.  
 1 Chloroform drop bottle—2 oz. graduated.  
 Splints :—  
   Felt or cardboard—for under 500 passengers and crew, 4 sq. ft., 500 passengers and crew and over, 6 sq. ft.  
 McIntyre's, 1.  
 Assorted, thigh, leg and arm sizes, 1 set.

- Gooch Splinting (36 ins. wide), 1 yd.  
 2 Trays, enamelled iron instrument, 10 × 7 and 12 × 9.  
 1 Tray, enamelled, dressing, kidney shaped 10 in.  
 Trusses, single reversible, 32 ins., 34 ins. and 36 ins. One of each. One double 36 ins.  
 ‡ Catgut :—  
   Straight intestinal needles, sizes 4 and 8, threaded with 00 catgut (28 in.) in sealed glass tubes, of each 1.  
   20 day in sealed glass tubes (28 in.) Nos, 0, 1 and 3, of each 6.  
 Silkworm gut (assorted sizes), 1 box 50.  
 Silk 4 sizes on metal winder.

(a) All instruments marked (a) must be of rustless and stainless metal throughout, except that—

(1) an instrument which has previously been passed as conforming to the Scales hitherto in force will not be rejected under the new Scales so long as it remains in good condition, and

(2) where specially desired by the Ship's Surgeon, knives made of steel that is not rustless may be carried, subject to the prior approval of the Board of Trade Surveyor.

Where an instrument or appliance of a particular type is specified, another type may be used if it is shown to be at least equally efficient.

SCALE I.—INVALID DIET

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i> | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |         |         |         |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------|---------|---------|
|                                                                                        | 99                                                                                                      | 250     | 500     | 1000    |
| (a)*Infants' prepared milk food, of approved quality (in 1lb. tins).                   | 2 lbs.                                                                                                  | 3 lbs.  | 4 lbs.  | 6 lbs.  |
| (a)*Invalid prepared milk food, of approved quality (in 1 lb. tins).                   | 2 „                                                                                                     | 3 „     | 4 „     | 6 „     |
| (b)*Condensed milk, of approved quality (in 1 lb. tins).                               | 1 doz.                                                                                                  | 2 doz.  | 3 doz.  | 4 doz.  |
| *Brandy                                                                                | ½ gall.                                                                                                 | ½ gall. | ½ gall. | ½ gall. |

(a) For information as to condition of approval and for a list of approved brands application may be made to any Board of Trade Surveyors' office.

(b) For conditions of approval and approved brands see Appendix R.

# SCALE I.—SUNDRIES

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>   | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |              |              |              |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|
|                                                                                          | 99                                                                                                      | 250          | 500          | 1000         |
| *Applicators, wooden.                                                                    | 100                                                                                                     | 100          | 100          | 100          |
| *Basins, enamel iron (8½" × 4" minimum).                                                 | 2                                                                                                       | 2            | 3            | 4            |
| Bed pans, enamelled iron, perfection type.                                               | 2                                                                                                       | 2            | 3            | 4            |
| *Books—                                                                                  |                                                                                                         |              |              |              |
| "The Ship Captain's Medical Guide," latest edition, with amendments.                     | 1                                                                                                       | 1            | 1            | 1            |
| "Merchant Shipping—Medical Scales," latest edition, with amendments.                     | 1                                                                                                       | 1            | 1            | 1            |
| British Pharmaceutical Codex, 1934 (the carriage of current supplements is recommended). | 1                                                                                                       | 1            | 1            | 1            |
| Bottles for medicine, 2 oz. . . . .                                                      | 2 doz.                                                                                                  | 2 doz.       | 3 doz.       | 3 doz.       |
| "        "        6 oz. . . . .                                                          | 4 "        "                                                                                            | 4 "        " | 6 "        " | 8 "        " |
| (graduated).                                                                             |                                                                                                         |              |              |              |
| Bottles, blue fluted, 2 oz. . . . .                                                      | 1 "        "                                                                                            | 1 "        " | 2 "        " | 2 "        " |
| "        "        6 oz. . . . .                                                          | 1 "        "                                                                                            | 1 "        " | 2 "        " | 2 "        " |
| *Boxes, ointment (nested) . . . . .                                                      | 1 doz.nests                                                                                             | 1 doz.nests  | 2 doz.nests  | 2 doz.nests  |
| *    "        pill (nested) . . . . .                                                    | 2 "        "                                                                                            | 2 "        " | 3 "        " | 3 "        " |
| Corks, assorted . . . . .                                                                | 6 doz.                                                                                                  | 8 doz.       | 12 doz.      | 12 doz.      |
| *Cups, spitting, aluminium . . . . .                                                     | 3                                                                                                       | 3            | 3            | 3            |
| *Cups, invalid feeding (porcelain) . . . . .                                             | 3                                                                                                       | 3            | 3            | 3            |
| Eye droppers . . . . .                                                                   | 3                                                                                                       | 3            | 3            | 3            |
| Eye shades . . . . .                                                                     | 6                                                                                                       | 6            | 6            | 6            |
| *Finger stalls, rubber. . . . .                                                          | 6                                                                                                       | 6            | 12           | 12           |
| *Funnels, enamel or glass (2 in. and 5 in.).                                             | 2                                                                                                       | 2            | 2            | 2            |
| *Gloves rubber post-mortem . . . . .                                                     | 1 pair                                                                                                  | 1 pair       | 1 pair       | 1 pair       |
| *Gloves rubber surgical (size 7½) . . . . .                                              | 2 "        "                                                                                            | 2 "        " | 2 "        " | 2 "        " |
| *Holders for lunar caustic points . . . . .                                              | 2                                                                                                       | 2            | 3            | 4            |
| *Hotwater bottles, rubber 12 ins. by 8 ins., with loose flannel covers.                  | 1                                                                                                       | 1            | 1            | 1            |
| *Ice bag . . . . .                                                                       | 1                                                                                                       | 1            | 1            | 1            |
| *Kaolin poultice in 1 lb. sealed tins                                                    | 2 tins                                                                                                  | 3 tins       | 4 tins       | 6 tins       |
| *Labels, blank (packets of 100) . . . . .                                                | 1                                                                                                       | 1            | 2            | 2            |
| "        poison (packets of 50) . . . . .                                                | 1                                                                                                       | 1            | 1            | 1            |
| Measures (Government stamped)—                                                           |                                                                                                         |              |              |              |
| "        *2 dr. graduated . . . . .                                                      | 2                                                                                                       | 2            | 2            | 2            |
| "        *1 oz. graduated . . . . .                                                      | 1                                                                                                       | 1            | 1            | 1            |
| "        *4 oz. graduated . . . . .                                                      | 1                                                                                                       | 1            | 1            | 1            |
| "        *20 oz. graduated (need not be stamped).                                        | 1                                                                                                       | 1            | 1            | 1            |
| *Mortar and pestle (Wedgwood) (No. 2 size).                                              | 1                                                                                                       | 1            | 1            | 1            |
| *Palette knives (4 in. and 9 in.) . . . . .                                              | 2                                                                                                       | 2            | 2            | 2            |
| (The blade to be of rustless and stainless steel throughout, with wooden handle).        |                                                                                                         |              |              |              |

SCALE I.—SUNDRIES—continued.

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>                                                                                                                                                                          | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |                         |              |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------|--------------|--------------|
|                                                                                                                                                                                                                                                                 | 99                                                                                                      | 250                     | 500          | 1000         |
| *Paper, dispensary, white demy ..                                                                                                                                                                                                                               | $\frac{1}{2}$ qr.<br>50                                                                                 | $\frac{1}{2}$ qr.<br>50 | 1 qr.<br>100 | 1 qr.<br>100 |
| *Paper, filter, in sizes to fit funnels ..                                                                                                                                                                                                                      | 1                                                                                                       | 1                       | 1            | 1            |
| *Scale, standard pillar dispensing and weights.                                                                                                                                                                                                                 |                                                                                                         |                         |              |              |
| *Stomach tube, 36 ins. (18 gauge) with glass or attached rubber funnel.                                                                                                                                                                                         | 1                                                                                                       | 1                       | 1            | 1            |
| (a)*Stretcher: an efficient carrying stretcher of approved type; to be so constructed that the patient cannot roll or slip out of it at whatever angle it is carried.                                                                                           | 1                                                                                                       | 1                       | 1            | 1            |
| *Syringe, Higginson's enema ..                                                                                                                                                                                                                                  | 1                                                                                                       | 1                       | 2            | 2            |
| *Syringe, glycerine enema, glass, $\frac{1}{2}$ oz.                                                                                                                                                                                                             | 1                                                                                                       | 1                       | 1            | 1            |
| *Urinals, male, enamelled iron ..                                                                                                                                                                                                                               | 1                                                                                                       | 1                       | 2            | 2            |
| *Urinary testing materials comprising: rack for 6 testing-tubes, urinometer, spirit lamp, litmus paper, 2 pipettes, 12 test tubes; two 2 oz. bottles, containing nitric acid and acetic acid and two 4 oz. bottles containing Fehling's solution, Nos. 1 and 2. | 1                                                                                                       | 1                       | 1            | 1            |
| *Tongue depressors, wooden ..                                                                                                                                                                                                                                   | 100                                                                                                     | 100                     | 100          | 100          |
| (b)*Douche can, 1 quart, of rustless metal throughout or of glass in metal frame, with 6 feet of best Indiarubber tubing and pinch-clip.                                                                                                                        | 1                                                                                                       | 1                       | 2            | 2            |
| *Nozzles, urethral shielded pattern (Tuffiers), glass or metal.                                                                                                                                                                                                 | 2                                                                                                       | 2                       | 3            | 4            |
| *Suspensory bandages with under strap.                                                                                                                                                                                                                          | 3                                                                                                       | 3                       | 6            | 6            |
| *Syringe, all glass 1 c.c., with two large bore (19 English) rustless needles for Bismuth injection.                                                                                                                                                            | 1                                                                                                       | 1                       | 1            | 1            |

(a) The "Neil-Robertson" is an approved type of stretcher. At least two stretchers of this type are to be carried during war-time.

(b) *War-time variation.* Douche can, 1 quart, of glass in enamelled or rust proofed metal frame with 6 feet of best Indiarubber tubing and pinchcock.

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>                                                                                                                                                                                                                                                                                                                                                                                                                               | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |                                    |                                    |                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 99                                                                                                      | 250                                | 500                                | 1000                               |
| *Cloth, India-rubber, 1 yard wide. To be rubbered on both sides and to be rolled on a wooden core. The surface to be smooth and non-adhesive. It is not to become sticky or show any appreciable deterioration when subjected to the following tests :<br>(1) Boiled in water for 30 minutes.<br>(2) Subjected to steam in a sterilizer for 20 minutes, at a pressure of 15 lbs. per square inch.<br>(3) Treated for 12 hours with :—<br>(a) 1 in 20 solution of carbolic acid. (b) Alcohol. (c) Acetone. (d) Ether. | 4 yds.                                                                                                  | 4 yds.                             | 4 yds.                             | 4 yds.                             |
| *Temperature charts, morning and evening and four hourly,<br>(a) (c) Approved Mosquito Repellent in 2 oz. bottles                                                                                                                                                                                                                                                                                                                                                                                                    | 2 doz. of each<br>see footnote (b)                                                                      | 2 doz. of each<br>see footnote (b) | 2 doz. of each<br>see footnote (b) | 2 doz. of each<br>see footnote (b) |

(a) Dimethyl Phthalate is an approved Insect Repellent.

(b) One bottle per member of the crew plus a minimum reserve of 10 per cent.

(c) To be carried on voyages to ports on the West or East Coasts of Africa between latitudes 20°N. and 20°S., in Madagascar or other Islands in the Indian Ocean or in the East Indies for issue to each member of the crew as a protective measure against mosquitoes, when the vessel is in a malarious area. It is estimated that a 2 oz. bottle should last about two weeks. When it is known that the vessel is going to remain in a malarious area for a considerable period, the reserve carried should be increased accordingly.

# SCALE I.—DRESSINGS

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i> | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |        |         |         |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------|---------|---------|
|                                                                                        | 99                                                                                                      | 250    | 500     | 1000    |
| (a) Bandages.—W.O.W.                                                                   |                                                                                                         |        |         |         |
| 1" × 3 yds. . . . .                                                                    | 24                                                                                                      | 36     | 48      | 60      |
| 2" × 4 yds. . . . .                                                                    | 24                                                                                                      | 36     | 48      | 60      |
| 3" × 4 yds. . . . .                                                                    | 12                                                                                                      | 18     | 24      | 36      |
| *Calico unbleached 6" × 6 yds.                                                         | 6                                                                                                       | 6      | 6       | 6       |
| *Triangular—                                                                           | 3                                                                                                       | 4      | 6       | 6       |
| Not less than 38" sides                                                                |                                                                                                         |        |         |         |
| 54" base.                                                                              |                                                                                                         |        |         |         |
| Elastic adhesive, 3 ins. wide, sealed in metal container.                              | 1 roll                                                                                                  | 1 roll | 2 rolls | 2 rolls |
| *Plaster of Paris (in sealed tins prepared for use) 3 ins. 4 yards long                | 6                                                                                                       | 6      | 12      | 12      |
| (b) Lint—plain white—                                                                  |                                                                                                         |        |         |         |
| (c) 2" × 6" packets (small) . .                                                        | 18                                                                                                      | 24     | 36      | 36      |
| 6" × 12" " (medium) . .                                                                | 12                                                                                                      | 18     | 24      | 36      |
| *12" × 12" " (large) . .                                                               | 12                                                                                                      | 18     | 24      | 36      |
| (d) Lint—boric—                                                                        |                                                                                                         |        |         |         |
| (c) 2" × 6" packets (small) . .                                                        | 24                                                                                                      | 30     | 36      | 48      |
| 6" × 12" " (medium) . .                                                                | 24                                                                                                      | 30     | 36      | 48      |
| (e) Lint—picric—                                                                       |                                                                                                         |        |         |         |
| (c) 2" × 6" packets (small) . .                                                        | 12                                                                                                      | 12     | 16      | 20      |
| 6" × 12" " (medium) . .                                                                | 12                                                                                                      | 12     | 18      | 24      |
| *12" × 18" " (large) . .                                                               | 12                                                                                                      | 12     | 18      | 24      |
| (f) Gauze, aseptic—plain white—                                                        |                                                                                                         |        |         |         |
| (c) 36" × 6" packets (small) . .                                                       | 18                                                                                                      | 24     | 30      | 36      |
| 36" × 12" " (medium) . .                                                               | 18                                                                                                      | 24     | 30      | 36      |
| *36" × 36" " (large) . .                                                               | 18                                                                                                      | 24     | 30      | 36      |
| (g) *Gauze, cyanide, double—                                                           |                                                                                                         |        |         |         |
| 1 square yard . . . . .                                                                | 3                                                                                                       | 6      | 9       | 12      |

(a) Each bandage and bandage roll to be individually wrapped in printed paper with reference as to measurements and size.

(b) Packets to be labelled with the words "Lint—plain white"; measurements and size to be stated on label.

(c) These packets may be replaced if desired by equivalent quantities in bulk.

(d) Packets to be labelled with the words "Lint—boric"; measurements and size to be stated on label.

(e) The lint to be impregnated with 4 per cent. picric acid. Packets to be labelled with the words "Lint—picric, for burns," and also with the words in large type "Wet the lint with clean boiled water before application"; measurements and size to be stated on label. Each packet to be completely enclosed.

(f) Packets to be labelled with the words "Gauze, aseptic—plain, white"; measurements and size to be stated on label.

(g) Packets to be labelled with the words "Cyanide gauze"; measurements and size to be stated on label.

SCALE I.—DRESSINGS—continued.

| Article.<br><i>All drugs and materials must conform to the instructions on page 5.</i>                   | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |        |        |        |
|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------|--------|--------|
|                                                                                                          | 99                                                                                                      | 250    | 500    | 1000   |
| (a) Cotton wool—plain white, interleaved, rolled—                                                        |                                                                                                         |        |        |        |
| (b) $\frac{1}{2}$ oz. 2" wide packets (small) ...                                                        | 12                                                                                                      | 18     | 24     | 36     |
| 1 oz. 4 $\frac{1}{2}$ " wide " (medium) ...                                                              | 6                                                                                                       | 12     | 18     | 24     |
| *2 oz. 8 $\frac{1}{2}$ " wide " (large) ...                                                              | 6                                                                                                       | 12     | 18     | 24     |
| *Calico, unbleached 38" ...                                                                              | 3 yds.                                                                                                  | 3 yds. | 3 yds. | 3 yds. |
| *Jaconet 36" ...                                                                                         | 2 yds.                                                                                                  | 2 yds. | 2 yds. | 2 yds. |
| *Gauze and cotton tissue ...                                                                             | 1 lb.                                                                                                   | 2 lbs. | 3 lbs. | 5 lbs. |
| Plaster, zinc oxide—                                                                                     |                                                                                                         |        |        |        |
| *reels of 5 yds., $\frac{1}{2}$ inch ...                                                                 | 1                                                                                                       | 1      | 2      | 2      |
| * " " 1 inch ...                                                                                         | 1                                                                                                       | 1      | 2      | 2      |
| * " " 3 inch ...                                                                                         | 2                                                                                                       | 2      | 2      | 2      |
| *Safety pins (brass, plated, assorted sizes).                                                            | 5 doz.                                                                                                  | 5 doz. | 5 doz. | 5 doz. |
| *Sterilized dressings for major operation—                                                               | 1 set                                                                                                   | 1 set  | 1 set  | 1 set  |
| 2 rolls white absorbent gauze, each 6 yards, 36 inches in width to be folded 9 ins. wide before rolling. |                                                                                                         |        |        |        |
| 1 roll fast edge ribbon gauze, 6 yards, 1 inch in width.                                                 |                                                                                                         |        |        |        |
| 2 absorbent gauze tissue pads, 10 ins. by 10 ins. approx.                                                |                                                                                                         |        |        |        |
| 6 cotton wool and gauze tampons, 3 ins. diameter.                                                        |                                                                                                         |        |        |        |
| 3 doz. gauze pads, 5 ins. $\times$ 5 ins., 12 layers, sewn.                                              |                                                                                                         |        |        |        |
| 1 manytail calico bandage (War Office pattern).                                                          |                                                                                                         |        |        |        |
| 2 five-inch bandages, 6 yards white open weave.                                                          |                                                                                                         |        |        |        |
| 1 packet safety pins; $\frac{1}{2}$ doz. size 3, $\frac{1}{2}$ doz. size 4.                              |                                                                                                         |        |        |        |
| 8 Surgical towels 18" $\times$ 32" weight not less than 24 oz. per doz.                                  |                                                                                                         |        |        |        |
| 2 surgeon's caps and 2 gowns ...                                                                         |                                                                                                         |        |        |        |

The whole of the dressings to be wrapped in grease-proof paper, sterilized, and encased in one or two hermetically sealed metal containers, and labelled "Sterilized dressings for major operation."

(a) Packets to be labelled with the words "Cotton wool—plain white"; measurements and size to be stated on label. The wool to be in one continuous length as under :—

$\frac{1}{2}$  oz. 14 to 15 inches; 1 oz. 28 to 30 inches; 2 ozs. 28 to 30 inches.

(b) These packets may be replaced if desired by equivalent quantities in bulk.

## SCALE II.

### FOR SHIPS HAVING LESS THAN 100 PERSONS ON BOARD EXCEPT SHIPS TO WHICH THE EMERGENCY SCALE APPLIES

(1) For voyages of six months and under, half the quantity, and for voyages of three months and under, one-third of the quantity of the following medicines, stock mixtures, and medical comforts may be carried, but this reduction does not apply to the medical stores and necessities.

(2) Drugs, dressings and appliances, are to conform to the standards and dispensing and wrapping requirements of the current British Pharmacopoeia or British Pharmaceutical Codex or to the National War Formulary where those standards are applicable. Attention is drawn to special requirements in the dispensing of certain preparations, e.g., ointments, affected by tropical conditions. All bottles must be glass-stoppered. Drugs are to be plainly labelled to show :

- (a) the English name of the contents ;
- (b) the formula of stock mixtures ;
- (c) the official, B.P. or B.P.C., minimum and maximum dose of the contents for an adult, or in the case of stock mixtures, the instructions indicated in the Scales ;
- (d) the name and address of the supplier—this should be indicated on a separate label which must not occupy more than 25 per cent. of the total label space.

Labels are to be rendered resistant to moisture either by the use of an efficient label varnish, which must cover the label and overlap the edges, or by the use of some alternative method the effect of which is not inferior to varnishing.

(3) All medicines indicated thus *p* to be marked with a Red Poison Label. All medicines bearing this label must be used with caution and if given internally should be carefully measured.

All articles marked thus \* should, in addition to the Red Poison Label, be carried in green or amber fluted bottles and labelled "For external use only."

All articles marked *p* or \* to be stored in a separate compartment or locker and locked, the key to be kept in the custody of the Master.

(4) It is most desirable that a Druggist should be instructed to replenish the medicine (including stock mixtures) and Medical Stores on board, when this becomes necessary. An official form of Order on a Druggist M210*a* is available for the purpose and the procedure is set out in Official Notice M210 ; copies of M210 and M210*a* may be obtained from the Superintendent of any Mercantile Marine Office.

## SCALE II.—MEDICINES

| This column is added for the use of Druggists supplying the medicines indicated. | Names in English of Medicines, Medicaments, etc.   | Proportion for ships carrying the under-mentioned number of men and boys (for 12 months). |            |              |
|----------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------|------------|--------------|
|                                                                                  |                                                    | Up to 25 men.                                                                             | 26-50 men. | Over 50 men. |
| Alum. Pulv.                                                                      | Alum in powder.                                    | 4 oz.                                                                                     | 4 oz.      | 4 oz.        |
| øSpt. Ammon. Aromat.                                                             | øAromatic Spirit of Ammonia.                       | 4 oz.                                                                                     | 6 oz.      | 8 oz.        |
| Acidum Acetylsalicylicum (in 5 gr. tablets).                                     | Aspirin Tablets.                                   | 150                                                                                       | 200        | 250          |
| Mis. Sennae Co.                                                                  | Black Draught.                                     | 8 lbs.                                                                                    | 10 lbs.    | 16 lbs.      |
| pLotio Hydrarg. Nigra.                                                           | p Black Wash.                                      | 10 oz.                                                                                    | 10 oz.     | 10 oz.       |
| Acidum Boricum Cryst.                                                            | Boric Acid Crystals.                               | 6 oz.                                                                                     | 10 oz.     | 14 oz.       |
| pHydrarg. Subchlor. (½ gr. tablets).                                             | pCalomel Tablets.                                  | 100                                                                                       | 150        | 200          |
| ø*pOleum Carbolisatum.                                                           | ø*Carbolic Oil.                                    | 1 oz.                                                                                     | 1 oz.      | 1 oz.        |
| (a) p Liquid Disinfectant of approved quality.                                   | (a) p An approved disinfectant.                    | 2 gals.                                                                                   | 3 gals.    | 4 gals.      |
| Oleum Ricini.                                                                    | Castor oil.                                        | 3 lbs.                                                                                    | 5 lbs.     | 8 lbs.       |
| p Tinct. Chlor. et Morph. B.P.C.                                                 | p Chlorodyne.                                      | 2 oz.                                                                                     | 3 oz.      | 4 oz.        |
| *Creosotum.                                                                      | *Creosote (Pure).                                  | ½ oz.                                                                                     | ½ oz.      | ½ oz.        |
| Potass. Permang. (1 gr. tablets).                                                | Potash Tablets.                                    | 150                                                                                       | 200        | 250          |
| øMagnes. Sulph. (in 1 oz. packets).                                              | øEpsom Salts.                                      | 4 lbs.                                                                                    | 6 lbs.     | 8 lbs.       |
| (b)p*Guttae Cocaine B.P.C.                                                       | (b)p*Cocaine Eye-drops Factory Act Solution No. 1. | 1 oz.                                                                                     | 1 oz.      | 1 oz.        |
| Tinct. Benzoin. Comp.                                                            | Friars' Balsam.                                    | 4 oz.                                                                                     | 6 oz.      | 8 oz.        |
| *Liq. Plumb. Subacet. Fort.                                                      | *Goulard's Extract.                                | 4 oz.                                                                                     | 6 oz.      | 8 oz.        |
| *Liq. Iodi Mitis.                                                                | *Solution of Iodine.                               | 8 oz.                                                                                     | 12 oz.     | 16 oz.       |
| Dusting powder as R. Pulv. Amyli, Acid. Boric. and Zinci Oxidi, equal parts.     | Antiseptic Dusting Powder.                         | 2 oz.                                                                                     | 3 oz.      | 4 oz.        |

(a) As antiseptic and deodorising agents for common use. For conditions of approval and list of approved disinfectants see Appendix A. Samples of the disinfectants supplied will be occasionally taken for analysis to determine whether they fulfil the requirements of the Board of Trade.

(b) In bottle with dropper attached and labelled as follows :—

“ (1) For use in removing foreign bodies from the eye.

(2) With the aid of the dropper put two drops into the eye. (3) Wait five minutes. (4) Put two more drops into the eye. (5) Wait five minutes. (6) Put in two more drops. (7) The eye should then be ready. Care must be taken that the instrument used is perfectly clean. After the removal of the foreign body bandage the eye for six hours.”

ø See Appendix F for war-time variation.

## SCALE II. MEDICINES—*continued.*

| This column is added for the use of Druggists supplying the medicines indicated.                                                                                                                                 | Names in English of Medicines, Medicaments, etc.                                         | Proportion for ships carrying the under-mentioned number of men and boys (for 12 months). |            |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------|--------------|
|                                                                                                                                                                                                                  |                                                                                          | Up to 25 men.                                                                             | 26-50 men. | Over 50 men. |
| <i>p</i> Pulv. Sulphanilamidum B.P. in 1 oz. metal canisters (with sprinkler tops).                                                                                                                              | <i>p</i> Sulphanilamide Powder.                                                          | 2 oz.                                                                                     | 4 oz.      | 6 oz.        |
| Sulphathiazolum 0.5 gramme tablets in bottles containing 60 tablets.                                                                                                                                             | <i>p</i> Sulphathiazole Tablets.                                                         | 9 bots.                                                                                   | 18 bots.   | 27 bots.     |
| <i>p</i> Tinct. Opii.                                                                                                                                                                                            | <i>p</i> Laudanum.                                                                       | 4 oz.                                                                                     | 4 oz.      | 6 oz.        |
| (a) ( <i>b</i> ) <i>p</i> Morphinae hydrochloridum or sulphas tablets of $\frac{1}{4}$ grain each—for oral use.                                                                                                  | (a) ( <i>b</i> ) <i>p</i> Morphine Tablets.                                              | 6 tabs.                                                                                   | 12 tabs.   | 24 tabs.     |
| ( <i>b</i> ) <i>p</i> Papaveretum B.P.C. in ampoule-syringes each standardised to deliver $\frac{1}{2}$ gr. Total Opium Alkaloids in 1 c.c., equivalent to $\frac{1}{2}$ gr. anhydrous Morphine (in boxes of 6). | ( <i>b</i> ) <i>p</i> Ampoule-syringes containing Total Opium Alkaloids, e.g. "Omnopon." | 1 box                                                                                     | 1 box      | 1 box        |
| Potass Chloras (5 gr. tablets).                                                                                                                                                                                  | Chlorate of Potash tablets.                                                              | 50                                                                                        | 75         | 100          |
| Sodii Carbonas (Comm.)                                                                                                                                                                                           | Washing Soda.                                                                            | 1 lb.                                                                                     | 1½ lbs.    | 2 lbs.       |
| Cataplasma Kaolini (in $\frac{1}{2}$ lb. sealed tins).                                                                                                                                                           | Kaolin Poultice.                                                                         | 1 lb.                                                                                     | 2 lbs.     | 3 lbs.       |
| Charta Sinapis (in sealed tins of 1 doz.).                                                                                                                                                                       | Mustard Leaves.                                                                          | 1 tin                                                                                     | 1 tin      | 1 tin        |
| oOleum Olivæ.                                                                                                                                                                                                    | oOlive Oil.                                                                              | 6 oz.                                                                                     | 8 oz.      | 12 oz.       |
| Pil. Hydrarg. 4 grs. (Gelatin coated).                                                                                                                                                                           | Blue Pills.                                                                              | 2 doz.                                                                                    | 3 doz.     | 4 doz.       |
| Pil. Colocynth. et Hyoscyam. 4 grs. (Gelatin coated).                                                                                                                                                            | Purgin Pill.                                                                             | 6 doz.                                                                                    | 8 doz.     | 12 doz.      |

(a) The container in which these tablets are carried must bear a label giving the following instructions for use :—

These tablets are for use only to relieve men in **extreme** pain, and **not more than two** should be placed under the patient's tongue and allowed to dissolve. They will not take effect for 10–15 minutes.

One tablet may be repeated, if necessary, not less than **three hours** after the first tablets have been given.

A note of the number of tablets and the time they were given should always go with the patient when he is landed or otherwise removed from the care of the Master. This information should be, if possible, written on a label tied to the patient.

(b) Orders for supplies must be signed by the Master and not by a deputy and, like other poisons, the articles are to be kept in a separate locker under lock and key.

o See Appendix F for war-time variation.

SCALE II.—MEDICINES—continued.

| This column is added for the use of Druggists supplying the medicines indicated.                                  | Names in English of Medicines, Medicaments, etc. | Proportion for ships carrying the under-mentioned number of men and boys (for 12 months). |            |              |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------|------------|--------------|
|                                                                                                                   |                                                  | Up to 25 men.                                                                             | 26-50 men. | Over 50 men. |
| øTabellæ Leptandræ Co. (gelatin coated).                                                                          | øVegetable Laxative Tablets.                     | 200                                                                                       | 300        | 400          |
| øTabellæ Phenacetini Co.                                                                                          | øCompound Phenacetin Tablets.                    | 50                                                                                        | 100        | 150          |
| pPulv. Ipecac. et Opii (5 gr. tablets).                                                                           | pDover's Powder Tablets.                         | 50                                                                                        | 100        | 150          |
| (a) Quininæ bisulphas or dihydrochloridum (5 gr. tablets <i>uncoated</i> ).                                       | Quinine bisulphate or dihydrochloride tablets.   | 100                                                                                       | 150        | 250          |
| (b) Mepacrinæ hydrochloridum, tablets of 0.1 gramme (1.5 grains).                                                 | (b) Mepacrine Tablets                            | 250                                                                                       | 500        | 1,000        |
| Zinci Sulphas.                                                                                                    | Sulphate of Zinc.                                | 1 oz.                                                                                     | 1 oz.      | 1 oz.        |
| Sulphur Rotund.                                                                                                   | Roll Sulphur.                                    | 2 lbs.                                                                                    | 4 lbs.     | 6 lbs.       |
| p*Lin Terebinth.                                                                                                  | *Liniment of Turpentine.                         | 16 oz.                                                                                    | 18 oz.     | 20 oz.       |
| Ung. Acid Boric 1% in Paraffin Ointment.                                                                          | Boric Acid Ointment.                             | 4 oz.                                                                                     | 6 oz.      | 8 oz.        |
| Ung. Hydrarg. Subchlor. 20% in Simple Ointment.                                                                   | Calomel Ointment.                                | 2 oz.                                                                                     | 2 oz.      | 2 oz.        |
| øUng. Hamamelidis Co. as R. Ung. Hamamelidis, 87 parts; Bismuth Subgallate, 10 parts; Benzamine Lactate, 3 parts. | øPile Ointment.                                  | 2 oz.                                                                                     | 3 oz.      | 4 oz.        |
| Ung. Hydrarg. Dil.                                                                                                | Mercurial Ointment "Blue Ointment."              | 4 oz.                                                                                     | 6 oz.      | 8 oz.        |
| Ung. Hydrarg. Ammon. 2.5% in Simple Ointment.                                                                     | White Precipitate Ointment.                      | 2 oz.                                                                                     | 4 oz.      | 6 oz.        |

(a) These quantities are not to be reduced for voyages of less than 12 months and are to be doubled for voyages to ports on the West or East Coasts of Africa between Latitudes 20°N. and 20°S., in Madagascar or other Islands in the Indian Ocean or in the East Indies.

(b) These quantities are not to be reduced for voyages of less than 12 months and are to be increased to 50 tablets per member of the crew when on voyages to ports on the West or East Coasts of Africa between latitudes 20°N. and 20°S., in Madagascar or other Islands in the Indian Ocean or in the East Indies. (50 tablets are sufficient for preventive doses to be given to one man for 10 days before arrival, during a stay of up to 18 days in a malarious area and for 30 days after leaving the area. If the stay in the malarious area exceeds 18 days the supply of mepacrine should be increased by local purchases according to the period involved.)

See Appendix F for war-time variation.

SCALE II—MEDICINES—*continued.*

| This column is added for the use of Druggists supplying the medicines indicated.                     | Names in English of Medicines, Medicaments, etc. | Proportion for ships carrying the under-mentioned number of men and boys (for 12 months). |            |              |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------|------------|--------------|
|                                                                                                      |                                                  | Up to 25 men.                                                                             | 26-50 men. | Over 50 men. |
| † Applicatio Benzylis Benzoatis.                                                                     | Benzyl Benzoate Emulsion.                        | 24 oz.                                                                                    | 36 oz.     | 48 oz.       |
| Paraffinum Molle Flavum                                                                              | Yellow soft Paraffin.                            | 6 oz.                                                                                     | 8 oz.      | 10 oz.       |
| p Digitalis Pulverata (tablets 1 gr. containing ten international units per gramme.)                 | p Digitalis tablets.                             | 50                                                                                        | 50         | 50           |
| p Amyl Nitris (capsules of 3 min.)                                                                   | p Amyl Nitrite capsules for inhalation.          | 12                                                                                        | 12         | 12           |
| p Paraldehydum in amber-coloured bottles of 1 oz. to be stored in a cool place protected from light. | p Paraldehyde.                                   | 4 oz.                                                                                     | 4 oz.      | 4 oz.        |
| ø p Potass. Bromidum (tab. 5 grs.).                                                                  | ø p Bromide of Potash tablets.                   | 100                                                                                       | 100        | 100          |
| (a) Calx Chlorinata (Stabilised) in $\frac{1}{4}$ lb. tins.                                          | (a) Stabilised Chloride of Lime.                 | 2 tins                                                                                    | 3 tins     | 4 tins       |
| p* Liquor cresolis saponatus.                                                                        | p* Lysol.                                        | 8 oz.                                                                                     | 8 oz.      | 8 oz.        |

(a) To be of approved quality. For conditions of approval see Appendix C.

ø See Appendix F for war-time variation.

## SCALE II.—STOCK MIXTURES

For notes on quantities and materials see page 20.

All materials to conform to the current British Pharmacopoeia or the British Pharmaceutical Codex, or to the National War Formulary.

All mixtures and the calamine lotion to be supplied in large glass-stoppered, transparent glass bottles, e.g., Winchester quart bottles, and not in stoneware or similar containers.

The composition of mixtures to be indicated on the labels.

| Mixture.                                                                                                                                                                                             | Instructions on label.                                                                                                                                                                             | Quantity in Pints. |            |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|--------------|
|                                                                                                                                                                                                      |                                                                                                                                                                                                    | Up to 25 men.      | 26-50 men. | Over 50 men. |
| <i>Stomach Mixture.(a)</i><br>Sodii Bicarb. gr. 10<br>Magnes. Carb. gr. 10<br>Levis<br>Spt. Ammon.<br>Aromat. min. 20<br>Tinct. Zingib. min. 10<br>Mitis<br>Aquam ad .. ½ Fl. oz.                    | <i>Stomach Mixture.</i><br>Dose—One table-<br>spoonful in half a<br>cupful of water<br>every four hours.<br>Good for indiges-<br>tion, pain in the<br>stomach, wind,<br>etc. Shake the<br>bottle.  | 4                  | 6          | 8            |
| <i>Cough Mixture.(a)</i><br>Tinct. Ipepcac. min. 10<br>Acet. Scillæ .. min. 15<br>Tinct. Opii .. min. 30<br>Camph.<br>Aquam ad .. ½ Fl. oz.                                                          | <i>Cough Mixture.</i><br>Dose :—One table-<br>spoonful in half a<br>cupful of water<br>every four hours.<br>Good for coughs<br>and colds.                                                          | 4                  | 6          | 8            |
| <i>Sweating Mixture.(a)</i><br>Potass. Acet. gr. 20<br>Potass. Cit. .. gr. 20<br>Liq. Ammon.<br>Acet. Fort. min. 15<br>Aquam ad .. ½ Fl. oz.                                                         | <i>Sweating Mixture.</i><br>Dose :—One table-<br>spoonful in half<br>a cupful of water<br>every four hours.<br>Good for feverish<br>colds, influenza or<br>any case where the<br>skin is hot.      | 4                  | 6          | 8            |
| <i>Tonic Mixture.(a)</i><br>Tinct. Nucis<br>Vom. .. min. 10<br>Acid. Nitro-<br>Hydrochlor.<br>Dil. .. min. 5<br>Quinin. Sulphat. gr. 1<br>Tinct. Gentianæ<br>Co. .. min. 30<br>Aquam ad .. ½ Fl. oz. | <i>Tonic Mixture.</i><br>Dose :—One table-<br>spoonful in half a<br>cupful of water<br>three times a day<br>before food. Good<br>for weakness, loss<br>of appetite, debility<br>and after illness. | 4                  | 6          | 8            |

(a) Chloroform, 1 minim to the ounce, to be added to this mixture. Ordinary table water and not distilled water is to be used.

See Appendix F for war-time variation.

SCALE II. STOCK MIXTURES—*continued.*

| Mixture.                                                                                                                                                                                                                    | Instructions on label.                                                                                                                                                                                                               | Quantity in Pints. |            |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|--------------|
|                                                                                                                                                                                                                             |                                                                                                                                                                                                                                      | Up to 25 men.      | 26-50 men. | Over 50 men. |
| <p>ø <i>Cramp or Colic Mixture.</i>(a)<br/> Tinct. Capsici min. 10<br/> Tinct. Belladonnæ min. 3<br/> Tinct. Opii .. min. 5<br/> Ext. Glycyrrhizæ<br/> Liq. .. min. 5<br/> Aquam ad .. <math>\frac{1}{2}</math> Fl. oz.</p> | <p>ø <i>Cramp or Colic Mixture.</i><br/> Dose :—One table-spoonful in half a cupful of water. For diarrhœa this dose to be given every four hours. Good for cramp in the muscles of the stomach, legs and arms and for diarrhœa.</p> | 4                  | 6          | 8            |
| <p>ø <i>Sedative Mixture.</i><br/> Chloral Hydratis gr. 5<br/> Potass. Bromid. gr. 15<br/> Spt. Chlorof. .. min. 10<br/> Liq. Cocci .. min. 1<br/> Aquam ad .. <math>\frac{1}{2}</math> Fl. oz.</p>                         | <p>ø <i>Sedative Mixture.</i><br/> Dose :—One table-spoonful in half a cupful of water when required (<i>Not more than four doses in a day.</i>) Good for sleeplessness, irritability, over-excitement, etc.</p>                     | 2                  | 4          | 6            |
| <p>ø <i>Clap Mixture.</i>(a)<br/> Tinct. Hyoscyami .. min. 15<br/> Potass. Cit. .. gr. 20<br/> Inf. Buchu<br/> Conc. .. dr. <math>\frac{1}{2}</math><br/> Aquam ad .. <math>\frac{1}{2}</math> Fl. oz.</p>                  | <p>ø <i>Clap Mixture.</i><br/> Doze :—One table-spoonful in half a cupful of water every four hours.</p>                                                                                                                             | 2                  | 4          | 4            |
| <p>ø <i>Calamine Lotion.</i><br/> Calaminæ .. oz. 2<br/> Zinci Oxidi .. oz. 1<br/> Glycerin. .. oz. 1<br/> Liq. Calcii Hydrox. ad 20 Fl. ozs.</p>                                                                           | <p>ø <i>Calamine Lotion.</i><br/> <i>For external use only.</i> Good for skin complaints, such as eruptions, eczema and breaking out; also for burns. Shake the bottle.</p>                                                          | 4                  | 6          | 8            |

(a) Chloroform 1 minim to the ounce to be added to this mixture. Ordinary table water and not distilled water is to be used.

ø See Appendix F for war-time variation.

## MEDICAL CABINET OR CHEST

The medicines and medical stores and instruments are to be kept in an efficient cabinet or chest to the satisfaction of the Board of Trade Surveyor. A sketch of a suitable cabinet is given at the end of this book (Appendix E) ; but any equally efficient cabinet will be passed.

# SCALE II—MEDICAL STORES AND NECESSARIES

For notes on materials see page 20.

|                                                        | Quantity.        |               |                 |
|--------------------------------------------------------|------------------|---------------|-----------------|
|                                                        | Up to<br>25 men. | 26-50<br>men. | Over<br>50 men. |
| (a) Bandages—W.O.W.                                    |                  |               |                 |
| 1" × 3 yds. . . . .                                    | 18               | 24            | 36              |
| 3" × 4 yds. . . . .                                    | 18               | 24            | 36              |
| Calico—unbleached 6" × 6 yds.                          | 6                | 6             | 6               |
| Triangular, not less than 38"<br>sides, 54" base.      | 3                | 4             | 6               |
| (b) Lint—plain white—                                  |                  |               |                 |
| (c) 2" × 6" packets (Small) ..                         | 6                | 12            | 18              |
| 6" × 12" " (Medium) ..                                 | 6                | 12            | 18              |
| 12" × 12" " (Large) ..                                 | 6                | 9             | 12              |
| (d) Lint—boric—                                        |                  |               |                 |
| (c) 2" × 6" packets (Small) ..                         | 12               | 18            | 24              |
| 6" × 12" " (Medium) ..                                 | 12               | 18            | 24              |
| (e) Lint—picric—                                       |                  |               |                 |
| (c) 2" × 6" packets (Small) ..                         | 6                | 9             | 12              |
| 6" × 12" " (Medium) ..                                 | 6                | 9             | 12              |
| 12" × 18" " (Large) ..                                 | 6                | 9             | 12              |
| (f) Gauze, aseptic—plain white—                        |                  |               |                 |
| (c) 36" × 6" packets (Small) ..                        | 6                | 12            | 18              |
| 36" × 12" " (Medium) ..                                | 4                | 6             | 8               |
| 36" × 36" " (Large) ..                                 | 4                | 6             | 8               |
| (g) Cotton wool—plain white, inter-<br>leaved, rolled— |                  |               |                 |
| (c) ½ oz. 2" wide packets (small) ..                   | 12               | 18            | 24              |
| ½ oz. 3" wide " (medium) ..                            | 12               | 18            | 24              |
| 1 oz. 4½" wide " (large) ..                            | 12               | 18            | 24              |

(a) Each bandage and bandage roll to be individually wrapped in printed paper with reference as to measurements and size.

(b) Packets to be labelled with the words "Lint—plain white" measurements and size to be stated on label.

(c) These packets may be replaced if desired by equivalent quantities in bulk.

(d) Packets to be labelled with the words "Lint—boric"; measurements and size to be stated on label.

(e) The lint to be impregnated with 4 per cent. picric acid. Packets to be labelled with the words "Lint—picric, for burns," and also with the words in large type "Wet the lint with clean boiled water before application"; measurements and size to be stated on label. Each packet to be completely enclosed.

(f) Packets to be labelled with the words "Gauze, aseptic—plain, white"; measurements and size to be stated on label.

(g) Packets to be labelled with the words "Cotton wool—plain white"; measurements and size to be stated on label. The cotton wool should be in one continuous length as follows:—

|              |    |    |    |    |         |
|--------------|----|----|----|----|---------|
| ¼ oz. size.. | .. | .. | .. | .. | 14"—15" |
| ½ oz. " ..   | .. | .. | .. | .. | 21"—22" |
| 1 oz. " ..   | .. | .. | .. | .. | 28"—30" |

SCALE II. MEDICAL STORES—*continued.*

|                                                                                                                                                                                   | Quantity.        |               |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------|-----------------|
|                                                                                                                                                                                   | Up to<br>25 men. | 26-50<br>men. | Over<br>50 men. |
| (a) (c) Approved Mosquito Repellent in 2 oz. bottles.                                                                                                                             | See (b)          | See (b)       | See (b)         |
| (d) Plaster, zinc oxide, on reels—                                                                                                                                                |                  |               |                 |
| 1" reel 5 yds. . . . .                                                                                                                                                            | 1 reel           | 1 reel        | 1 reel          |
| 3" " " " " " " " " " " "                                                                                                                                                          | 1 reel           | 1 reel        | 2 reels         |
| Safety pins (brass, plated, assorted sizes)                                                                                                                                       | 1 doz.           | 1 doz.        | 1 doz.          |
| Jaconet . . . . .                                                                                                                                                                 | 1 sq. yd.        | 1½ sq. yd.    | 2 sq. yds.      |
| Bottle, for medicine : 8 ozs. . . . .                                                                                                                                             | 1                | 1             | 1               |
| Bottle for poison : 8 oz. . . . .                                                                                                                                                 | 1                | 1             | 1               |
| Bottles (6 oz. graduated tablespoons) . . . . .                                                                                                                                   | 6                | 6             | 6               |
| " (2 oz. fluted poisons) . . . . .                                                                                                                                                | 3                | 6             | 6               |
| Corks (assorted to fit 2 and 6 oz. bottles).                                                                                                                                      | 12               | 12            | 24              |
| Wood applicators for throat . . . . .                                                                                                                                             | 2 doz.           | 3 doz.        | 4 doz.          |
| Boxes, ointment (nested) . . . . .                                                                                                                                                | 6 nests          | 12 nests      | 18 nests        |
| Labels, plain (in packets of 100) . . . . .                                                                                                                                       | 1 pkt.           | 1 pkt.        | 1 pkt.          |
| " poison ( " " " 50) . . . . .                                                                                                                                                    | 1 pkt.           | 1 pkt.        | 1 pkt.          |
| (e) Measure, 2 ozs. graduated ozs., drs., table and teaspoons (Mason's wine), unstamped.                                                                                          | 2                | 2             | 2               |
| (e) Measure, Government stamped, 2 drachm conical glass, graduated drachms and minims.                                                                                            | 2                | 2             | 2               |
| (f) Douche can, 1 quart, of rustless and stainless metal of approved pattern, with 6 feet of best Indiarubber tubing and pinchclip. One surface to be flat with loop for hanging. | 1                | 1             | 1               |
| (g) Nozzle for douche can—urethral pipe, metal (Janet pattern), to be marked "urethral".                                                                                          | 1                | 1             | 1               |

(a) Dimethyl Phthalate is an approved Insect Repellent.

(b) One bottle per member of the crew plus a minimum reserve of 10 per cent.

(c) To be carried on voyages to ports on the West or East Coasts of Africa between latitudes 20°N. and 20°S., in Madagascar or other Islands in the Indian Ocean or in the East Indies for issue to each member of the crew as a protective measure against mosquitoes, when the vessel is in a malarious area. It is estimated that a 2 oz. bottle should last about two weeks. When it is known that the vessel is going to remain in a malarious area for a considerable period, the reserve carried should be increased accordingly.

(d) In place of the 3" reel may be accepted an elastic adhesive bandage 3" wide, sealed in metal container.

(e) The words ounces, drachms and minims to be written in full or abbreviated and not to be replaced by symbols.

(f) *War-time variation.* Douche can, 1 quart, of glass in enamelled or rust proofed metal frame with 6 feet of best Indiarubber tubing and pinchcock.

(g) Metal instruments to be of good quality and to be made of rustless and stainless metal throughout.

SCALE II. MEDICAL STORES—*continued*.

|                                                                             | Quantity.        |               |                 |
|-----------------------------------------------------------------------------|------------------|---------------|-----------------|
|                                                                             | Up to<br>25 men. | 26-50<br>men. | Over<br>50 men. |
| Nozzle for douche can—enema, vulcanite.                                     | 1                | 1             | 1               |
| (a) Nozzle for douche can—ear, metal, to be marked "ear".                   | 1                | 1             | 1               |
| Eyeshades (cardboard) . . . . .                                             | 1                | 2             | 2               |
| (b) Basin, metal, minimum size 8½" diam. × 4" depth, lettered "Medical"     | 1                | 1             | 1               |
| Bed pan, enamel iron (large size)                                           | 1                | 1             | 1               |
| Hot water bottles, 8×12 inch rubber with flannel covers.                    | 2                | 2             | 2               |
| Stomach tube, 36" (gauge 18-20), red rubber with funnel to fit.             | 1                | 1             | 1               |
| Splints (set of common) . . . . .                                           | 1 set            | 1 set         | 1 set           |
| (c) Stretcher: an efficient carrying stretcher (as described on page 16).   | 1                | 1             | 1               |
| (a) Abscess knife (Symes') . . . . .                                        | 1                | 1             | 1               |
| (a) Dressing or dissecting forceps . .                                      | 1 pair           | 1 pair        | 1 pair          |
| (a) Eyespud . . . . .                                                       | 1                | 1             | 1               |
| (a) Scalpel . . . . .                                                       | 1                | 1             | 1               |
| (a) Scissors, 5 inch (one blade sharp-pointed and the other blunt-pointed). | 1 pair           | 1 pair        | 1 pair          |
| Tourniquet, St. John pattern . . . .                                        | 1                | 1             | 1               |
| (d) Soft olivary catheters . . . . .                                        | 4                | 4             | 4               |
| (a) Spatula or palette knife (wooden handle).                               | 1                | 1             | 1               |
| (a) Splinter forceps . . . . .                                              | 1 pair           | 1 pair        | 1 pair          |
| (a) Spencer Wells' artery forceps . .                                       | 2 pairs          | 2 pairs       | 2 pairs         |
| (e) Silk and needles . . . . .                                              | 3                | 4             | 6               |
| Clinical thermometers in metal cases, self registering, N.P.L. tested.      | 2                | 2             | 3               |
| Canvas roll for instruments . . . . .                                       | 1                | 1             | 1               |
| Suspensory bandages with understraps                                        | 2                | 2             | 2               |
| Temperature charts, morning and evening and four hourly.                    | 3                | 3             | 3               |
| Truss, single reversible 35 in. . . . .                                     | 1                | 1             | 1               |
| " " " 37 in. . . . .                                                        | 1                | 1             | 1               |
| " " double 36 in. . . . .                                                   | 1                | 1             | 1               |
| "Ship Captain's Medical Guide," latest edition, with amendments.            | 1                | 1             | 1               |
| "Merchant Shipping—Medical Scales," latest edition, with amendments.        | 1                | 1             | 1               |

(a) Metal instruments to be of good quality and to be made of rustless and stainless metal throughout.

(b) *War-time variation.* Basin enamelled iron (8½" × 4" minimum), to be replaced when chipped and rusting has begun.

(c) The "Neil-Robertson" is an approved type of stretcher. At least two are to be carried during war-time.

(d) Sizes 1, 3, 5 and 7 to be supplied in a long box with some French chalk.

(e) Silk, 18 ins. long, threaded with a semi-curved Hagedorn needle of medium size (9, 10 or 11). Each length to be closed in a sealed glass tube with a fracture scratch, and to be sterile. Container label to give illustrated direction for breaking the tubes.

## MEDICAL COMFORTS.

For notes on quantities see page 20.

| Articles.                                               | Proportion for ships carrying the undermentioned number of Men and Boys (for 12 months). |            |              |
|---------------------------------------------------------|------------------------------------------------------------------------------------------|------------|--------------|
|                                                         | Up to 25 men.                                                                            | 26-50 men. | Over 50 men. |
| Arrowroot .. .. .                                       | 4 lbs.                                                                                   | 8 lbs.     | 12 lbs.      |
| (a) Condensed milk of approved quality (in 1 lb. tins). | 12 „                                                                                     | 18 „       | 24 „         |
| Corn flour .. .. .                                      | 8 „                                                                                      | 16 „       | 24 „         |
| Pearl barley .. .. .                                    | 8 „                                                                                      | 16 „       | 24 „         |
| (b) Sago or Cerealine .. .. .                           | 8 „                                                                                      | 16 „       | 24 „         |
| Soup and Bouilli (in tins) .. .. .                      | 12 „                                                                                     | 24 „       | 36 „         |
| Port Wine .. .. .                                       | 6 botts.                                                                                 | 12 botts.  | 18 botts.    |
| Brandy .. .. .                                          | 4 „                                                                                      | 6 „        | 8 „          |

(a) For conditions of approval and list of approved brands see Appendix B.

(b) *War-time variation.* Rice or Semolina.

### SCALE III.—EMERGENCY SCALE

For ships sailing from the United Kingdom on Shorter Sea Trades to Western European Ports between Narvik and Corunna inclusive, including Baltic, Gulf of Finland, and Gulf of Bothnia South of a Line Hernosand to Wasa inclusive and not required to carry doctors.

(1) Ships making voyages of less than 24 hours from port to port have the option of carrying the small Ambulance Hamper of the St. John Ambulance Association, or its equivalent, in lieu of the following Scale.

(2) Drugs, dressings and appliances are to conform to the standards and dispensing and wrapping requirements of the current British Pharmacopoeia or British Pharmaceutical Codex or the National War Formulary where those standards are applicable. All bottles must be glass-stoppered. Drugs are to be plainly labelled to show :

- (a) the English name of the contents ;
- (b) the formula of stock mixtures ;
- (c) the official, B.P. or B.P.C., minimum and maximum doses of the contents for an adult, or in the case of stock mixtures, the instructions indicated in the Scales ;
- (d) the name and address of the supplier—this should be indicated on a separate label which must not occupy more than 25 per cent. of the total label space.

Labels are to be rendered resistant to moisture either by the use of an efficient label varnish, which must cover the label and overlap the edges, or by the use of some alternative method the effect of which is not inferior to varnishing.

(3) All medicines indicated thus *p* to be marked with a Red Poison Label. All medicines bearing this label must be used with caution and if given internally should be carefully measured.

All articles marked thus \* should, in addition to the Red Poison Label, be carried in green or amber fluted bottles and labelled "For external use only."

All articles marked *p* or \* to be stored in a separate compartment or locker and locked, the key to be kept in the custody of the Master.

# SCALE III.—MEDICINES. EMERGENCY SCALE

| This column is added for the use of Druggists supplying the medicines indicated.                                                                                                               | Names in English of Medicines, Medicaments, etc.                             | Proportion for ships irrespective of the number of men carried. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------|
| øSpt. Ammon. Aromat.                                                                                                                                                                           | øAromatic Spirit of Ammonia.                                                 | 2 oz.                                                           |
| Acidum Acetylsalicylicum (in 5 gr. tablets).                                                                                                                                                   | Aspirin tablets.                                                             | 100                                                             |
| Acidum Boricum Cryst.                                                                                                                                                                          | Boric Acid Crystals.                                                         | 3 oz.                                                           |
| Oleum Ricini.                                                                                                                                                                                  | Castor Oil.                                                                  | $\frac{1}{2}$ lb.                                               |
| p Sulphathiazolum 0.5 gramme tablets in bottles containing 60 tablets.                                                                                                                         | pSulphathiazole tablets                                                      | 2 bottles                                                       |
| pTinct. Chlorof. et Morph.                                                                                                                                                                     | pChlorodyne.                                                                 | 2 oz.                                                           |
| (a)p*Guttae Cocainae B.P.C.                                                                                                                                                                    | (a)p*Cocaine eye drops<br>Factory Act Solution No. 1.                        | 1 „                                                             |
| Tinct. Benzoin, Co.                                                                                                                                                                            | Friar's Balsam.                                                              | 2 „                                                             |
| *Liq. Plumbi Subacet. Fort.                                                                                                                                                                    | *Goulard's Extract.                                                          | 4 „                                                             |
| *Liq. Iodi. Mitis                                                                                                                                                                              | *Solution of Iodine.                                                         | 6 „                                                             |
| pTinct. Opii.                                                                                                                                                                                  | pLaudanum.                                                                   | 2 „                                                             |
| (b)(c)pMorphinae hydrochloridum or sulphas tablets of $\frac{1}{4}$ grain each—for oral use.                                                                                                   | (b) (c)pMorphine tablets                                                     | 6 tablets                                                       |
| (c)pPapaveretum B.P.C., in ampoulesyringes each standardised to deliver $\frac{1}{2}$ gr. Total Opium Alkaloids in 1 c.c., equivalent to $\frac{1}{2}$ gr. anhydrous Morphine (in boxes of 6). | (b) (c) p Ampoule-syringes containing Total Opium Alkaloids, e.g. "Omnopon." | 1 box                                                           |
| Charta Sinapis (in sealed tins of 1 doz.).                                                                                                                                                     | Mustard Leaves.                                                              | 1 tin                                                           |
| Pil. Colocynth. et Hyoscy. 4 grs. (Gelatin coated).                                                                                                                                            | Purging Pills.                                                               | 4 doz.                                                          |

(a) In bottle with dropper attached and labelled as follows :—

"(1) For use in removing foreign bodies from the eye. (2) With the aid of the dropper put two drops into the eye. (3) Wait five minutes. (4) Put two more drops into the eye. (5) Wait five minutes. (6) Put in two more drops. (7) The eye should then be ready. Care must be taken that the instrument used is perfectly clean. After the removal of the foreign body bandage the eye for six hours."

ø See Appendix F for war-time variation.

(b) The container in which these tablets are carried must bear a label giving the following instructions for use :—

These tablets are for use only to relieve men in **extreme** pain, and **not more than two** should be placed under the patient's tongue and allowed to dissolve. They will not take effect for 10-15 minutes.

One tablet may be repeated, if necessary, **not less than three hours** after the first tablets have been given.

A note of the number of tablets and the time they were given should always go with the patient when he is landed or otherwise removed from the care of the Master. This information should be, if possible, written on a label tied to the patient.

(c) Orders for supplies must be signed by the Master and not by a deputy, and, like other poisons, the articles are to be kept in a separate locker under lock and key.

SCALE III.—EMERGENCY SCALE—*continued.* MEDICINES.

| This column is added for the use of Druggists supplying the medicines indicated. | Names in English of Medicines, Medicaments, etc. | Proportion for ships irrespective of the number of men carried. |
|----------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------|
| øMagnesium Sulphate (in 1 oz. packets).                                          | øEpsom Salts.                                    | 1 lb.                                                           |
| p*Lin. Terebinth.                                                                | *Turpentine Liniment.                            | 4 oz.                                                           |
| Ung. Acidi Boric. 1% in Paraffin ointment.                                       | Boric Acid Ointment.                             | 4 „                                                             |
| Paraffinum Molle Flavum.                                                         | Yellow soft paraffin.                            | 4 „                                                             |
| Ung. Hydrarg. Dil.                                                               | Mercurial Ointment.                              | 2 „                                                             |
| p*Liquor Cresolis Saponatus.                                                     | *Lysol.                                          | 4 „                                                             |

ø See Appendix F for war-time variation.

SCALE III.—STOCK MIXTURES

For notes on materials see page 30.

All materials to conform to the current British Pharmacopoeia or the British Pharmaceutical Codex or to the National War Formulary.

All mixtures to be supplied in large glass-stoppered, transparent glass bottles, e.g., Winchester quart bottles, and not in stone-ware or similar containers.

The composition of mixtures to be indicated on the labels.

| Mixture.                                                                                                                                                                                              | Instructions on Labels.                                                                                                                                                   | Quantity in Pints. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| ø <i>Stomach Mixture.(a)</i><br>Sodii Bicarb. . . . gr. 10<br>Magnes. Carb. Levis gr. 10<br>Spt. Ammon. Aromat. . . . min. 20<br>Tinct. Zingib. Mitis min. 10<br>Aquam ad . . . Fl. oz. $\frac{1}{2}$ | ø <i>Stomach Mixture.</i><br>Dose :—One tablespoonful in half a cupful of water every four hours. Good for indigestion, pain in the stomach, wind, etc. Shake the bottle. | 1                  |
| ø <i>Cough Mixture.(a)</i><br>Tinct. Ipecac. . . . min. 10<br>Acetum Scillæ . . . min. 15<br>Tinct. Opii Camph. min. 30<br>Aquam ad . . . Fl. oz. $\frac{1}{2}$                                       | ø <i>Cough Mixture.</i><br>Dose :—One tablespoonful in half a cupful of water every four hours. Good for coughs and colds.                                                | 1                  |
| ø <i>Sweating Mixture.(a)</i><br>Potass. Acet. . . . gr. 20<br>Potass. Citr. . . . gr. 20<br>Liq. Ammon. Acet. . . . min. 15<br>Fort. . . . min. 15<br>Aquam ad . . . Fl. oz. $\frac{1}{2}$           | ø <i>Sweating Mixture.</i><br>Dose :—One tablespoonful in half a cupful of water every four hours. Good for feverish colds, influenza or any case where the skin is hot.  | 1                  |

(a) Chloroform 1 minim to the ounce to be added to this mixture. Ordinary table water and not distilled water is to be used.

ø See Appendix F for war-time variation.

# SCALE III.—MEDICAL STORES

For notes on materials see page 30.

|                                                       | Quantity. |
|-------------------------------------------------------|-----------|
| (a) Bandages—W.O.W.                                   |           |
| 1" × 3 yds. .. .. .                                   | 12        |
| 3" × 4 yds. .. .. .                                   | 6         |
| Triangular, not less than 38" sides, 54" base ..      | 3         |
| (b) Lint—plain white :—                               |           |
| 6" × 12" packets (Medium) .. .. .                     | 6         |
| 12" × 12" " (Large) .. .. .                           | 3         |
| (c) Lint—boric :—                                     |           |
| (d) 2" × 6" packets (Small) .. .. .                   | 12        |
| 6" × 12" " (Medium) .. .. .                           | 3         |
| (e) Lint—picric :—                                    |           |
| (d) 2" × 6" packets (Small) .. .. .                   | 6         |
| 6" × 12" " (Medium) .. .. .                           | 3         |
| 12" × 18" " (Large) .. .. .                           | 3         |
| (f) Gauze, aseptic—plain white :—                     |           |
| 36" × 12" packets (Medium) .. .. .                    | 3         |
| 36" × 36" " (Large) .. .. .                           | 2         |
| (g) Cotton wool—plain white, interleaved rolled :—    |           |
| (d) $\frac{1}{4}$ oz. 2" wide packets (Small) .. .. . | 12        |
| $\frac{1}{2}$ oz. 3" " (Medium) .. .. .               | 6         |
| 1 oz. 4 $\frac{1}{4}$ " " (Large) .. .. .             | 3         |

(a) Each bandage and bandage roll to be individually wrapped in printed paper with reference as to measurements and size.

(b) Packets to be labelled with the words "Lint—plain white"; measurements and size to be stated on label.

(c) Packets to be labelled with the words "Lint—boric"; measurements and size to be stated on label.

(d) These packets may be replaced if desired by equivalent quantities in bulk.

(e) The lint to be impregnated with 4 per cent. picric acid. Packets to be labelled with the words "Lint—picric, for burns," and also with the words in large type. "Wet the lint with clean boiled water before application"; measurements and size to be stated on label. Each packet to be completely enclosed.

(f) Packets to be labelled with the words "Gauze, aseptic—plain, white"; measurements and size to be stated on label.

(g) Packets to be labelled with the words "Cotton wool—plain white"; measurements and size to be stated on label. The cotton wool should be in one continuous length as follows :—

|                                |         |
|--------------------------------|---------|
| $\frac{1}{4}$ oz. size .. .. . | 14"—15" |
| $\frac{1}{2}$ oz. " .. .. .    | 21"—22" |
| 1 oz. " .. .. .                | 28"—30" |

SCALE III. MEDICAL STORES—continued.

|                                                                                                    | Quantity. |
|----------------------------------------------------------------------------------------------------|-----------|
| (a) Plaster, zinc oxide—on reels—                                                                  |           |
| 1" reel 5 yds. . . . .                                                                             | 1 reel    |
| 3" . . . . .                                                                                       | 1 "       |
| Safety pins (brass, plated, assorted sizes) . . . . .                                              | 1 doz.    |
| Bottles (6 oz. graduated tablespoons) . . . . .                                                    | 3         |
| Bottles (2 oz. fluted poisons) . . . . .                                                           | 2         |
| Corks (assorted to fit 2 and 6 oz. bottles) . . . . .                                              | 12        |
| Boxes, ointment (nested) . . . . .                                                                 | 2 nests   |
| Labels, plain (in packets of 50) . . . . .                                                         | 1 pkt.    |
| Labels, poison (in packets of 25) . . . . .                                                        | 1 pkt.    |
| (b) Measure, 2 oz. graduated ozs., drs., table and teaspoons<br>(Mason's wine), unstamped. . . . . | 1         |
| (b) Measure, Government stamped, 2 drachm conical glass,<br>graduated drachms and minims. . . . .  | 1         |
| Eyeshades (cardboard) . . . . .                                                                    | 1         |
| (c) Basin, metal, lettered "Medical", minimum size 8½"<br>diam. × 4" depth. . . . .                | 1         |
| Enema syringe (Higginson) . . . . .                                                                | 1         |
| Splints (set of common) . . . . .                                                                  | 1         |
| (d) Scissors, 5-inch (one blade sharp-pointed and the other<br>blunt-pointed). . . . .             | 1 pair    |
| Tourniquet (St. John pattern) . . . . .                                                            | 1         |
| (d) Splinter forceps . . . . .                                                                     | 1         |
| (d) Spencer Wells forceps . . . . .                                                                | 2         |
| (d) Abscess Knife (Paget's) . . . . .                                                              | 1         |
| (e) Silk and needles . . . . .                                                                     | 2         |
| Clinical thermometer in metal case, self registering,<br>N.P.L. tested. . . . .                    | 1         |
| Suspensory bandage with understraps . . . . .                                                      | 1         |
| Truss, single, reversible (36 in.) . . . . .                                                       | 1         |
| Truss, double (36 in.) . . . . .                                                                   | 1         |
| "Ship Captain's Medical Guide," latest edition, with<br>amendments. . . . .                        | 1         |
| "Merchant Shipping—Medical Scales," latest edition,<br>with amendments. . . . .                    | 1         |

(a) An elastic adhesive bandage 3" wide sealed in metal container may be accepted in place of the 3" reel.

(b) The words ounces, drachms and minims to be written in full or abbreviated and not to be replaced by symbols.

(c) *War-time variation.* Basin, enamelled iron (8½" × 4" minimum) to be replaced when chipped and rusting has begun.

(d) Instruments to be of good quality and to be made of rustless and stainless metal throughout.

(e) Silk, 18 ins. long, threaded with a semi-curved Hagedorn needle of medium size (9, 10 or 11). Each length to be closed in a sealed glass tube with a fracture scratch, and to be sterile. Container label to give illustrated direction for breaking the tubes.

# NOTICE TO OWNERS AND MASTERS OF COASTING SHIPS

## Medicines and Surgical Appliances for Coasting Vessels

The Board of Trade receive enquiries from time to time as to a suitable medical equipment for use on board coasting vessels. They consider it very desirable that passenger and cargo vessels engaged on coastal voyages should be provided, if they are away from port for more than a few hours at a time, with at least a few simple medicines and medical appliances for use in case of an emergency, so that the Master may deal with any accident that may occur while the ship is out of reach of shore assistance. A small First Aid Hamper or Case is likely to meet such requirements, and the Board suggest that a suitable outfit might contain the following items as a minimum :—

|                                                                                                                   | For ships<br>carrying not<br>more than<br>100 persons | For ships<br>carrying more<br>than 100<br>persons |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------|
| First Aid Instruction Leaflet (Form 923),<br>issued by the Factory Department of the<br>Home Office.              | 1                                                     | 1                                                 |
| Finger dressings                                                                                                  | 12                                                    | 24                                                |
| Small wound dressings                                                                                             | 6                                                     | 12                                                |
| Large wound dressings                                                                                             | 6                                                     | 12                                                |
| Burn dressings—picric acid :—                                                                                     |                                                       |                                                   |
| Small                                                                                                             | 6                                                     | 12                                                |
| Medium                                                                                                            | 6                                                     | 12                                                |
| Large                                                                                                             | 3                                                     | 6                                                 |
| Cotton Wool in $\frac{1}{2}$ oz. packets                                                                          | 3                                                     | 6                                                 |
| Triangular bandages                                                                                               | 2                                                     | 6                                                 |
| 2% tincture of iodine in glass stoppered<br>bottle.                                                               | 1 oz.                                                 | 2 oz.                                             |
| Sal Volatile in glass stoppered bottle                                                                            | 1 oz.                                                 | 2 oz.                                             |
| Eye drops prepared as described in the<br>Home Office First Aid Leaflet, Form 923 ;<br>in glass stoppered bottle. | $\frac{1}{2}$ oz.                                     | 1 oz.                                             |
| 2 oz. graduated medicine glass                                                                                    | 1                                                     | 1                                                 |
| Scissors, 5 inch                                                                                                  | 1 pair                                                | 1 pair                                            |
| Dressing Forceps, 5 inch                                                                                          | 1 pair                                                | 1 pair                                            |
| Tourniquet, St. John pattern                                                                                      | 1                                                     | 1                                                 |
| Safety pins, nickel brass, assorted sizes                                                                         | 1 doz.                                                | 1 doz.                                            |

The dressings should be of the standard of quality prescribed by the current British Pharmaceutical Codex and should be wrapped separately in a sealed paper impervious to moisture. The instruments should be of rustless and stainless metal throughout. The drugs should be contained in glass stoppered bottles, clearly labelled with the dose of the contents for an adult, and, in the case of eye drops, with instructions for use.

A list of manufacturers who are known to supply equipments of suitable standard can be consulted at any Board of Trade Surveyors' Office.

Notice No. 116

August, 1931

## APPENDIX A

### *Conditions of approval of disinfectants for ships*

#### *I. Phenol or Carbolic Acid*

A liquid containing not less than 90 per cent. of free carbolic and/or cresylic acid, and approved by the Board of Trade. The approved disinfectant (*see* paragraph III below) must have a germicidal value not less than that of pure phenol when tested against *B. typhosus* in the presence of excess of organic matter. The disinfectant must be labelled with the exact name of contents and with full instructions for use for various purposes.

#### *II. Chlorine may be carried either in the form of*

##### *(a) Stabilised Chloride of Lime*

If stabilised chloride of lime is carried the quantity of phenol or cresylic acid may be reduced by not more than 50 per cent., and the amount so reduced must be replaced by an equal weight of stabilised chloride of lime.

*Chloride of lime must be dry and suitably stabilised yielding not less than 30 per cent. by weight of available chlorine* and must be put up in tins of not more than 10 lbs. per tin, the date of issue by the manufacturer being stamped on each tin\*. Each tin and contents, whether partly used or not, must be renewed within one year of the date stamped on the tin. Full instructions for the use of the powder for cleansing decks, bulkheads, urinals, lavatory basins, etc., must be given on a label attached to each tin. Samples for test will be taken from time to time. This material is not to be used for the sterilisation of drinking water, nor for the sterilisation of dejecta, soiled utensils or apparel of persons suffering from a contagious or infectious disease ;

##### *or (b) Stabilised Hypochlorite Solution*

If a stabilised solution of hypochlorite of soda is preferred to chloride of lime, this preparation may be carried in place of the chloride of lime, provided the total quantity of available chlorine is the same. The amount of phenol or cresylic acid carried may then be reduced by 50 per cent. The conditions and restrictions as to its purpose and use are the same as for chloride of lime. The hypochlorite solution must yield at least 10 per cent. of available chlorine. If the solution should at any time decrease in strength so that the available chlorine falls to less than 8 per cent. it must be replaced as soon as possible. The liquid is to be stored in stoneware jars or other containers, of not less than two gallons not more than ten gallons capacity, not liable to cause a

---

\* The requirement that Stabilised Chloride of Lime must be put up in tins of not more than 10 lbs. per tin is amended as a war-time provision and tins containing not more than 28 lbs. may now be carried.

diminution of the strength of the solution. The jars must be sealed either with stoneware stoppers or with stoppers which have no appreciable action in diminishing the strength of the solution. Unless it can be shown that the strength of the solution is unaltered, the disinfectant must be renewed at least once a year. The date of sealing the containers and directions for use must be stated on a label adhering firmly to the jar ;

or (c) *In ships in which a sea-water electroliser is installed*, capable of giving an unlimited quantity of sodium hypochlorite solution containing not less than 0.1 per cent. of available chlorine, the quantity of phenol or cresylic acid disinfectant carried may be reduced by not more than 50 per cent. The type of electroliser must be approved by the Board of Trade and subject to inspection from time to time. A sample of electrolite will occasionally be taken for testing the chlorine content. The conditions and restrictions as to its purpose and use are the same as those for chloride of lime or hypochlorite solution in tins.

### III. Conditions of Approval

Manufacturers desiring the approval of the Board of Trade for liquid or solid disinfectants made of coal tar products or for chlorine preparations for use on board ship, should submit applications in triplicate on forms which can be obtained from the Mercantile Marine Department, Board of Trade.

(a) For coal tar type disinfectant a cheque for six guineas, the fee for testing, together with a sample of the disinfectant (if a liquid, not less than one quart) must accompany the application. Such disinfectants will be tested chemically and bacteriologically ; the chemical examination will be made by the Government Laboratory and the bacteriological examination will be made by the Lister Institute.

(b) For solid chloride of lime disinfectants, a sample of not less than one pound in a hermetically sealed vessel must be submitted for chemical test alone. It will be tested for strength, stability, lime and water as follows :—

- (1) The chloride of lime must be of approved quality.
- (2) It must contain not less than 30 per cent. of available chlorine.
- (3) It must contain not less than 4 per cent. of free quick lime (CaO).
- (4) The total water existing in all forms, consisting largely, if not entirely, of water in combination in the form of calcium hydroxide, must not exceed 8.5 per cent.
- (5) It must be of such stability that after being kept four weeks in an oven at 140° F. ( $\pm 2^\circ$ ) the percentage of available chlorine shall not decrease more than  $2\frac{1}{2}$ .

(c) For stabilised hypochlorite solution a sample of at least one quart in a narrow-mouthed stoneware or glass vessel closed by means of a rubber bung must be submitted for chemical test alone. This will be tested for strength and stability. The stability of the solution will be tested by maintaining the liquid at 25° C. for twenty-eight days when the available chlorine must not have decreased by more than 10 per cent. of the total available chlorine originally present.

No fee will be charged for tests (b) and (c) above.

IV. *The Stabilised Chloride of Lime put up in  $\frac{1}{4}$  lb. tins* is intended to be used for sterilising *drinking water*. Instructions for use will be found in the Ship Captain's Medical Guide. For conditions of approval see Appendix C.

### *Approved disinfectants.*

The following disinfectants have been approved by the Board of Trade up to the 14th April, 1945. Particulars of disinfectants approved subsequently may be obtained on application to any Board of Trade Surveyors' Office :—

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Antifect 18/20.                  | Liquor Cresoli Saponatus.         |
| Bell's Fluid.                    | Little's Fluid.                   |
| Boot's White Disinfectant Fluid. | Lysol (Boots).                    |
| Burboul.                         | Lysolat or Lysotab.               |
| Carbolic Acid, Calvert's No. 5.  | Lysolid.                          |
| Carbolic Acid, Young's No. 3.    | Magdol.                           |
| Cetyl.                           | Monsanto White No. 2.             |
| Chlorosene.                      | Monsanto Fluid No. 4.             |
| Cofectant.                       | Monsanto Black Fluid, No. 6.      |
| Crephol.                         | Monsanto Fluid (White).           |
| Cresolution No. 1.               | Monsol.                           |
| "      No. 2.                    | M.O.H. Fluid.                     |
| "      No. 4.                    | Municipal.                        |
| Cyllin, Crude, Jeyes'.           | Neslab Solid Lysol.               |
| Cyllin, Jeyes' Special Fluid.    | Pacolin, or Disinfectol.          |
| Daykoline.                       | " Pestdoom " Fortis Disinfectant  |
| Dettol.                          | Fluid                             |
| D.G. Fluid No. 1.                | Pharos Coefficient Disinfectant   |
| Disfectall, No. 2.               | Fluid.                            |
| Disolite H.C.                    | Pyramid Disinfectant Fluid.       |
| Edwards Climax Sanitary Fluid.   | Railene.                          |
| Evansol.                         | Sacol (Five Oceans).              |
| Exenol.                          | " Sal Hycol " Disinfecting Fluid. |
| Ferry " Extra."                  | Sanitas Okol.                     |
| Grindol.                         | Sanmex White " B."                |
| Hycol.                           | Sanophen A.                       |
| Hygeia.                          | " White.                          |
| Hyphenoid.                       | Seawater Disinfectant.            |
| Ialine Fluid, Special No. 3.     | Septol, White.                    |
| "      "      "      No. 5.      | Smith's Special Carbolated Sani-  |
| "      "      "      No. 6.      | tary Fluid.                       |
| "      "      "      No. 7.      | Snowdol Fluid.                    |
| "      "      "      No. 8.      | Sparsol.                          |
| Izal Powder No. 1.               | Standard.                         |
| Izal, Crude.                     | Sternol.                          |
| Jeyes' Corporation Fluid.        | Supersan.                         |
| Kara.                            | Utolene I. Disinfectant Fluid.    |
| Kerol.                           | Utolene II.      "                |
| Kerol Farm.                      | Vetersol, Wright's.               |
| Kilcrobe.                        | Voxsan White Disinfecting Fluid.  |
| Kilsol.                          | Vulcan T.P.O. Disinfectant Fluid. |
| Kingston Brand.                  | Wright's Disinfecting Fluid.      |
| Lactar.                          | Xtol.                             |
| Lawes W.O. Fluid—M/A Grade.      | Zondo-Sal.                        |
| Lawesol Disinfectant Fluid.      |                                   |

*Note.*—Coal tar disinfectants should be used with economy during war-time ; whenever possible disinfectants of the Chloride of Lime or Stabilised Hypochlorite Solution class should be used for disinfecting sanitary fittings, coffer dams and scuppers.

## APPENDIX B

### CONDENSED MILK

#### CONDITIONS OF APPROVAL AND LIST OF APPROVED BRANDS

Milk, sweetened or unsweetened, intended for use as medical comforts, must be condensed from full cream natural milk without the addition of any foreign substance (except sugar in the case of sweetened milk) or the abstraction of any natural milk solids.

The milk must be free from preservatives other than sugar, and on analysis must show at least 10 per cent. of fat and 22 per cent. non-fatty solids.

The following condensed milks have been approved by the Board of Trade up to the 14th April, 1945. Particulars of condensed milks approved subsequently may be obtained on application to any Board of Trade Surveyor's Office:—

|                       | <i>Brand</i> | <i>Prepared by</i>                                                               |
|-----------------------|--------------|----------------------------------------------------------------------------------|
| Bear .. .. .          |              | The Wilts United Dairies Ltd.<br>for the Bernese Alps Milk Co.,<br>Switzerland.  |
| Carnation .. .. .     |              | Carnation Milk Co., Ltd.                                                         |
| Cow and Gate .. .. .  |              | Cow and Gate, Ltd.                                                               |
| Diploma .. .. .       |              | The Wilts United Dairies, Ltd.                                                   |
| Golden Vein .. .. .   |              | The Condensed Milk Co. of<br>Ireland (1924), Ltd.                                |
| Ideal .. .. .         |              | Nestle's Milk Products Ltd.                                                      |
| Killarney .. .. .     |              | The Condensed Milk Co. of<br>Ireland (1924), Ltd.                                |
| Milkmaid .. .. .      |              | Nestle's Milk Products Ltd.                                                      |
| Milkman .. .. .       |              | The Laing Produce Co., Brock-<br>ville, Ontario, Canada.                         |
| Mont Blanc .. .. .    |              | The Wilts United Dairies, Ltd.<br>for the Bernese Alps Milk Co.,<br>Switzerland. |
| Nestle's Nest .. .. . |              | Nestle's Milk Products Ltd.                                                      |
| Regal .. .. .         |              | Wilts United Dairies Ltd., Trow-<br>bridge.                                      |
| Silver Bell .. .. .   |              | Cow and Gate, Ltd.                                                               |

## APPENDIX C

### SPECIFICATION FOR CHLORIDE OF LIME FOR TREATMENT OF DRINKING WATER IN SHIPS

1. The Chloride of Lime must be of approved quality.
2. It must contain not less than 24 per cent. and not more than 26 per cent. available chlorine.
3. It must contain not less than 14 per cent. of free quick lime (CaO).
4. The total water existing in all forms, consisting largely, if not entirely, of the water in combination in the form of calcium hydroxide, must not exceed 7.5 per cent.
5. It shall be of such stability that after passing four weeks in an oven kept at 140° F. ( $\pm 2^\circ$ ) the percentage of available chlorine shall not decrease more than 2.
6. The powder to be put up in  $\frac{1}{4}$  lb. tins, the date of issue by the manufacturer to be stamped on the base of each tin.
7. Each tin and contents (except the measure, which may be used again) whether partially used or not, to be renewed within one year following the date stamped on the tin.
8. Each tin to contain a measure, made of a material resistant to Chlorine, to contain 60 grains of the powder, when full, i.e., sufficient to chlorinate approximately 200 gallons of water.

A sample of Staboclor "A" manufactured by Imperial Chemical Industries Ltd., has been found to conform to the above Specification.

# APPENDIX D

## THE EMIGRANT SHIPS (VOYAGE SCALES) NOTICE, 1923. DATED MARCH 20, 1923.\*

In pursuance of the powers conferred upon them by Section 269 of the Merchant Shipping Act, 1894 (57 & 58 Vict. c. 60), and of all other powers enabling them in that behalf, the Board of Trade hereby determine as follows :—

1. This Notice may be cited as the Emigrant Ships (Voyage Scales) Notice, 1923.

2. The Notice dated September 23, 1907 (Statutory Rules and Order, 1908, No. 541), is hereby cancelled.

3. The scale for determining the duration of voyages of emigrant ships from the British Islands shall be the scale set out in the Schedule hereto.

4. For the purposes of Part III of the Merchant Shipping Act, 1894 (57 & 58 Vict. c. 60), as amended by Section 14 of the Merchant Shipping Act, 1906 (6 Edw. 7. c. 48), the length of a voyage from the British Islands to the East Coast of North America shall be deemed to be 3,000 miles, and the length of a voyage from the British Islands to South Africa shall be deemed to be 6,000 miles.

H. A. PAYNE,

A Secretary to the Board of Trade

Dated this 20th day of March, 1923.

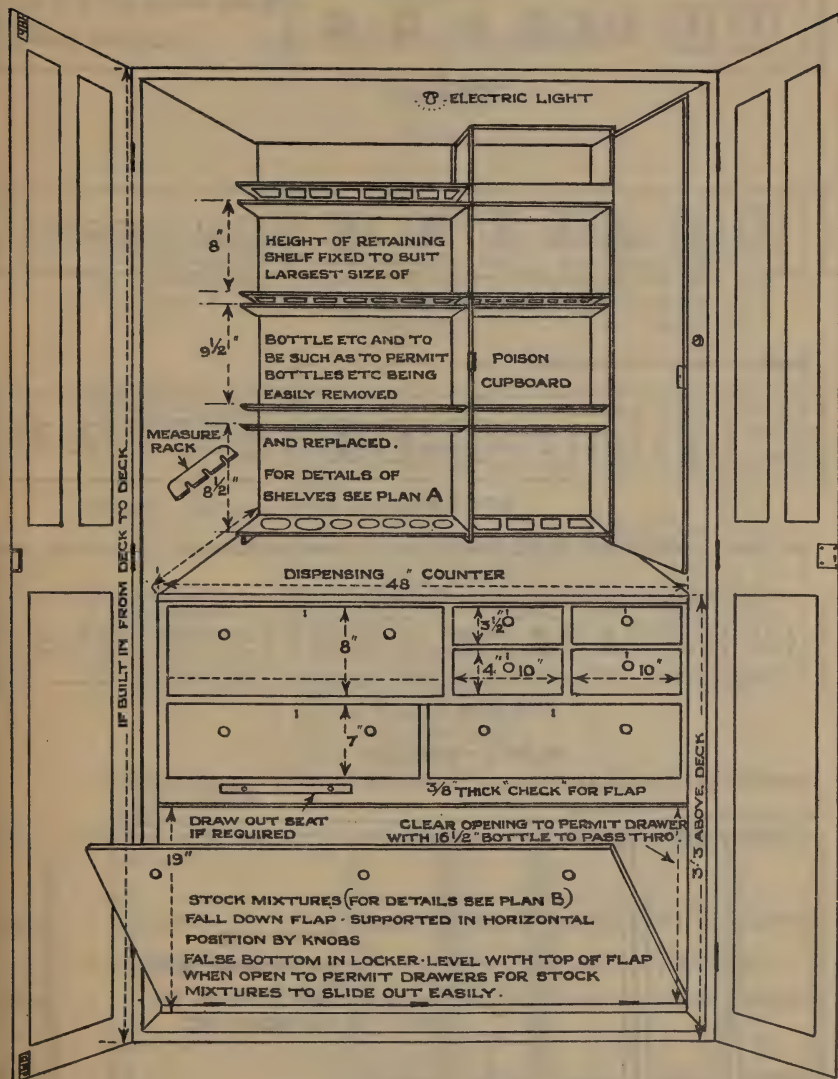
### Schedule.

| Voyage.                                                                                                                                                  | For vessels with engines capable of steaming at least 10 knots. | For vessels steaming at least 12 knots. |                | For vessels steaming at least 16 knots. |                | For vessels steaming 20 knots or over. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------|----------------|-----------------------------------------|----------------|----------------------------------------|
|                                                                                                                                                          |                                                                 | Single screw.                           | Twin screws.   | Single screw.                           | Twin screws.   |                                        |
| North America (East Coast) .. .. .                                                                                                                       | Days.<br>31                                                     | Days.<br>21                             | Days.<br>18    | Days.<br>17                             | Days.<br>14    | Days.<br>10                            |
| South Africa and South America (East Coast) ..                                                                                                           | 44                                                              | 36                                      | 30             | 28                                      | 24             | 18                                     |
| South America, West Coast via Panama .. ..                                                                                                               | 54                                                              | 45                                      | 36             | 32                                      | 28             | 24                                     |
| AUSTRALIA—Ports Westward of 140° E. Long,<br>and Queensland—<br>Via Torres Straits .. .. .<br>Via Suez .. .. .<br>Via Cape .. .. .<br>Via Panama .. .. . | 62<br>70<br>76                                                  | 48<br>58<br>60                          | 40<br>52<br>54 | 36<br>44<br>46                          | 32<br>38<br>42 | 26<br>30<br>34                         |
| AUSTRALIA—Ports Eastward of 140° E. Long—<br>Via Suez .. .. .<br>Via Panama .. .. .<br>Via Cape .. .. .                                                  | 66<br>70<br>72                                                  | 50<br>56<br>60                          | 44<br>50<br>54 | 40<br>44<br>46                          | 34<br>38<br>40 | 28<br>30<br>32                         |
| NEW ZEALAND—<br>Via Panama .. .. .<br>Via Suez .. .. .<br>Via Cape .. .. .                                                                               | 66<br>72<br>80                                                  | 52<br>54<br>64                          | 46<br>48<br>58 | 40<br>42<br>52                          | 34<br>36<br>42 | 28<br>30<br>36                         |

\* Statutory Rules and Orders 1923, No. 341.

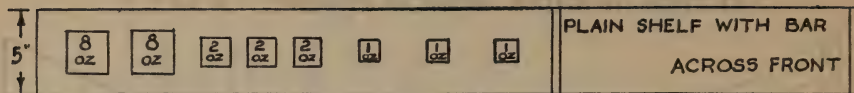
# APPENDIX E

## SKETCH OF SHIP'S MEDICAL CABINET. SCALE II.

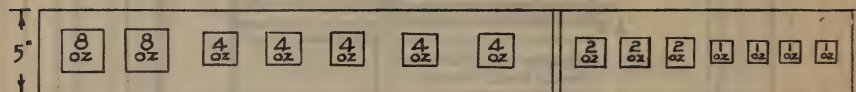


NOTE.—This design is intended to afford guidance as to a suitable cabinet for vessels carrying more than 50 persons for voyages up to 12 months in duration. Any equally efficient cabinet suitable in size having regard to the ship's intended trade and complement will be passed. The following points are, however, of importance and should be borne in mind when plans for new ships are under consideration :—

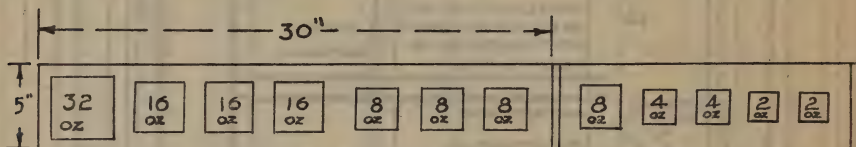
- Artificial lighting should be provided in the cupboard or cabinet.
- The cupboard or cabinet must be fitted in a dry position and be easily accessible and convenient.
- It must be kept clear of heating appliances.
- A ship's hospital is not considered to be a suitable position for storing medical stores.



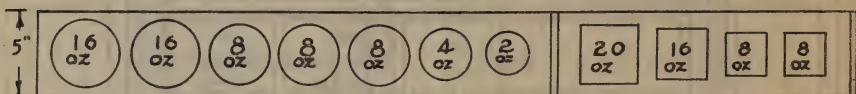
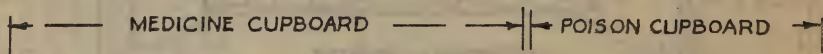
TOP SHELF



SECOND SHELF

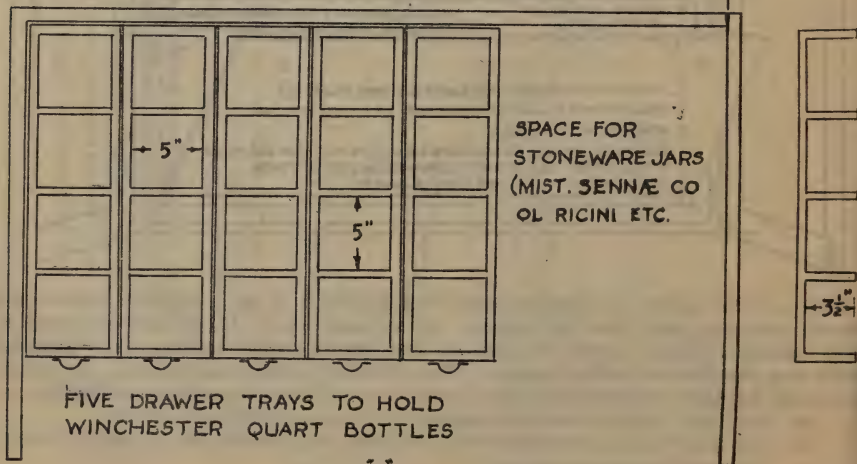
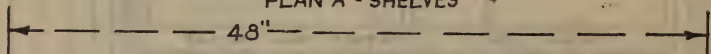


FIRST SHELF



BOTTOM SHELF

PLAN A - SHELVES



PLAN B

# APPENDIX F

## LIST OF WAR-TIME ALTERATIONS

(See note on page 2)

### SCALE I

| 1.<br>Article in Scales.<br>(For explanation<br>of symbols, see<br>page 5.) | 2.<br>War-time variation or<br>substitute.<br>(N.W.F. indicates the<br>Ministry of Health<br>National War<br>Formulary.) | 3.<br>Quantities for ships<br>making voyages not<br>exceeding 30 days and<br>with passengers and<br>crews not exceeding :— |                                     |                                    |                                   |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------|-----------------------------------|
|                                                                             |                                                                                                                          | 99                                                                                                                         | 250                                 | 500                                | 1,000                             |
| Acidum phosphori-<br>cum dilutum.                                           | Omit—Acidum hydro-<br>chloricum dilutum<br>which is included in<br>Scale can be used in-<br>stead.                       |                                                                                                                            |                                     |                                    |                                   |
| Bismuthi carbonas                                                           | Bismuthi Carnobas re-<br>duce quantity to ...<br>make up with Kaolinum<br>and Magnesii trisilicate                       | 1 oz.<br>1 lb.<br>4 oz.<br>½ doz.                                                                                          | 1½ oz.<br>1½ lb.<br>6 oz.<br>½ doz. | 3 oz.<br>3 lb.<br>12 oz.<br>1 doz. | 4 oz.<br>4 lb.<br>1 lb.<br>1 doz. |
| *Emplastrum<br>belladonnae.                                                 | *Emplastrum plumbi<br>(7½ in. × 5 in.).                                                                                  |                                                                                                                            |                                     |                                    |                                   |
| *†Hydrargyri<br>perchloridum.                                               | Omit—other bacteri-<br>cides are provided.                                                                               |                                                                                                                            |                                     |                                    |                                   |
| Infusum buchu<br>concentratum.                                              | Omit—alternatives in-<br>cluded, i.e., Sulphani-<br>lamide tablets Hexa-<br>mine tablets and Sod.<br>Acid. Phosph.       |                                                                                                                            |                                     |                                    |                                   |
| †Linimentum<br>saponis (methy-<br>lated).                                   | Reduce quantity to ..                                                                                                    | 5 oz.                                                                                                                      | 7½ oz.                              | 15 oz.                             | 20 oz.                            |
| *†Liquor potassii<br>hydroxidi.                                             | *†Liquor sodii hydro-<br>xidi.                                                                                           | 4 oz.                                                                                                                      | 4 oz.                               | 4 oz.                              | 4 oz.                             |
| Liquor thymolis<br>compositus.                                              | Collutorium thymolis<br>compositum N.W.F.                                                                                | 4 oz.                                                                                                                      | 4 oz.                               | 6 oz.                              | 8 oz.                             |
| Magnesii sulphas..                                                          | Retain but if necessary<br>substitute by Sodii<br>sulphas (to be put up<br>in 1 oz. packets).                            | 4 lb.                                                                                                                      | 6 lb.                               | 12 lb.                             | 16 lb.                            |
| *Methylsulphonal                                                            | *pBarbitonum solubile<br>(5 gr. tablets).                                                                                | 25                                                                                                                         | 25                                  | 50                                 | 50                                |
| Oleum olivae ..                                                             | Oleum arachis. ..                                                                                                        | 6 oz.                                                                                                                      | 8 oz.                               | 16 oz.                             | 24 oz.                            |
| Potassii bicarbonas                                                         | Omit—alternative<br>Sodii bicarbonas<br>is included in<br>Scale.                                                         |                                                                                                                            |                                     |                                    |                                   |
| Potassii bromidum                                                           | Retain but if necessary<br>substitute by Sodii<br>bromidum.                                                              | 4 oz.                                                                                                                      | 6 oz.                               | 12 oz.                             | 16 oz.                            |

| 1.<br>Article in Scales.<br>(For explanation<br>of symbols, see<br>page 5.) | 2.<br>War-time variation or<br>substitute.<br>(N.W.F. indicates the<br>Ministry of Health<br>National War<br>Formulary.) | 3.<br>Quantities for ships<br>making voyages not<br>exceeding 30 days and<br>with passengers and<br>crews not exceeding :— |        |        |        |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|
|                                                                             |                                                                                                                          | 99                                                                                                                         | 250    | 500    | 1,000  |
| Potassii iodidum ..                                                         | Retain but if necessary<br>substitute by Sodii<br>iodidum.                                                               | 1 oz.                                                                                                                      | 1½ oz. | 3 oz.  | 4 oz.  |
| *Potassii citras ..                                                         | Omit—alternative<br>*Sodii Citras is<br>included in<br>Scale.                                                            |                                                                                                                            |        |        |        |
| Spiritus ammoniae<br>aromaticus.                                            | Liquor ammoniae aro-<br>maticus.                                                                                         | 6 oz.                                                                                                                      | 8 oz.  | 16 oz. | 20 oz. |
| Spiritus chloro-<br>formi.                                                  | Emulsio chloroformi ..                                                                                                   | 2 oz.                                                                                                                      | 3 oz.  | 6 oz.  | 8 oz.  |
| Spiritus menthae<br>piperitae.                                              | Emulsio menthae pip-<br>eritae.                                                                                          | ½ oz.                                                                                                                      | ¾ oz.  | 1½ oz. | 2 oz.  |
| (b) *Suppositorium<br>hamamelidis.                                          | (b) * Suppositorium<br>bismuthi subgallatis<br>compositum.                                                               | 1 doz.                                                                                                                     | 1 doz. | 2 doz. | 2 doz. |
| *pSyrupus chloralis                                                         | *p Haustus chloralis<br>compositus N.W.F.                                                                                | 4 oz.                                                                                                                      | 16 oz. | 32 oz. | 32 oz. |
| *Syrupus tolutanus                                                          | Omit—other expector-<br>ants are in-<br>cluded.                                                                          |                                                                                                                            |        |        |        |
| Tabellae phen-<br>acetini compo-<br>sitae.                                  | Tabellae phenacetini ..                                                                                                  | 50                                                                                                                         | 75     | 100    | 150    |
| Tinctura gentianae<br>composita.                                            | Infusum quassiae con-<br>centratum.                                                                                      | 6 oz.                                                                                                                      | 9 oz.  | 18 oz. | 24 oz. |
| *Tinctura Valeri-<br>anae ammoniata.                                        | Omit—considered un-<br>necessary.                                                                                        |                                                                                                                            |        |        |        |
| *Vinum anti-<br>moniale.                                                    | Omit—other emetics<br>provided.                                                                                          |                                                                                                                            |        |        |        |
| *Vinum colchici ..                                                          | Tinctura colchici. ..                                                                                                    | 1 oz.                                                                                                                      | 1 oz.  | 1 oz.  | 1 oz.  |

(b) To be kept in a cool place.

# SCALE II.

| 1.<br><br>Article in Scale.<br>(For explanation of<br>symbols, see page 18.) | 2.<br><br>War-time variation or<br>substitute.<br>(N.W.F. indicates the<br>Ministry of Health<br>National War<br>Formulary.)   | 3.<br><br>Quantities for ships<br>carrying the under-<br>mentioned number<br>of men and boys<br>(for 12 months). |       |            |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------|------------|
|                                                                              |                                                                                                                                | Up to<br>25                                                                                                      | 26-50 | Over<br>50 |
| Spt. Ammon. Aromat<br>(Aromatic Spirit of<br>Ammonia).                       | Liq. Ammon. Aromat<br>(Aromatic Solution<br>of Ammonia).                                                                       | 4 oz.                                                                                                            | 6 oz. | 8 oz.      |
| *Oleum Carbolisatum<br>(Carbolic Oil).                                       | Omit.                                                                                                                          |                                                                                                                  |       |            |
| Magnes. Sulph. (Epsom<br>Salts).                                             | Retain but if necessary<br>substitute by Sodii<br>Sulph. (Glauber's<br>Salt) in 1 oz. packets.                                 | 4 lb.                                                                                                            | 6 lb. | 8 lb.      |
| Oleum Olivae (Olive Oil)                                                     | Oleum Arachis (Ground-<br>nut Oil).                                                                                            | 6 oz.                                                                                                            | 8 oz. | 12 oz.     |
| Tabellae Leptandrae Co.<br>(Vegetable Laxative<br>Tablets).                  | Tabellae Cascarae<br>Sagradae Composita<br>N.W.F. (Compound<br>Cascara Sagrada<br>Tablets).                                    | 200                                                                                                              | 300   | 400        |
| Tabellae Phenacetini Co.<br>(Compound Phenacetin<br>Tablets).                | Tabellae Phenacetini<br>(Phenacetin Tabs.)                                                                                     | 50                                                                                                               | 100   | 150        |
| Ung. Hamamelidis Co. as<br>R. (Pile Ointment).                               | Ung. Benzocainae Com-<br>positum B.P.C. (Pile<br>Ointment).                                                                    | 2 oz.                                                                                                            | 3 oz. | 4 oz.      |
| <i>p</i> Potass. Bromidum (tab.<br>5 grs.) (Bromide of<br>Potash tablets).   | Retain but if necessary<br>substitute by <i>p</i> Sodii<br>Bromidum (tab. 5<br>grs.) ( <i>p</i> Bromide of<br>Sodium Tablets). | 100                                                                                                              | 100   | 100        |

## SCALE II.—STOCK MIXTURES

The following Mixtures are substituted for those indicated on pages 25-26 of the Medical Scales.

| Mixture.                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Instructions on label.                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><i>Stomach Mixture. (a)</i><br/> (Mist. Mag. Carb. Aromat. N.W.F.)<br/> Synonym. Mistura Carminativa.<br/> Light Magnesium Carbonate 5 gr.<br/> Sodium Bicarbonate 10 gr.<br/> Aromatic Tincture of Cardamom.<br/> B.P.C. 5 min.<br/> Water to <math>\frac{1}{2}</math> fl. oz.</p>                                                                                                                                                                            | <p><i>Stomach Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) three times a day in water.<br/> Good for indigestion, pain in the stomach, wind, etc.<br/> Shake the bottle.</p> |
| <p><i>Cough Mixture. (a)</i><br/> (Mist. Ammon. et Ipecac. Co. N.W.F.)<br/> Synonyms. Mistura Expectorans.<br/> Mistura Tussis.<br/> Ammonium Carbonate 3 gr.<br/> *Liquid Extract of Ipecacuanha <math>\frac{1}{2}</math> min.<br/> †Concentrated Camphorated Tincture of Opium 2 min.<br/> Water. to <math>\frac{1}{2}</math> fl. oz.<br/> *Equivalent to 10 min. of Tincture of Ipecacuanha.<br/> †Equivalent to 16 min. of Camphorated Tincture of Opium.</p> | <p><i>Cough Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) three times a day in water.<br/> Good for coughs and colds.</p>                                                     |
| <p><i>Sweating Mixture. (a)</i><br/> (Mist. Salin N.W.F.).<br/> Synonym. Misturs Diaphoretica.<br/> Sodium Citrate 10 gr.<br/> Strong Solution of Ammonium Acetate 8 min.<br/> *Concentrated Solution of Ethyl Nitrite (1-7) 2 <math>\frac{1}{2}</math> min.<br/> Water. to <math>\frac{1}{2}</math> fl. oz.<br/> *Equivalent to 20 min. approximately, of Spirit of Nitrous Ether.</p>                                                                           | <p><i>Sweating Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) three times a day in water.<br/> Good for feverish colds, influenza or any case where the skin is hot.</p>       |
| <p><i>Tonic Mixture.</i><br/> (Mist. Nuc. Vom. Acid. N.W.F.).<br/> *Liquid Extract of Nux Vomica 1 min.<br/> Dilute Hydrochloric Acid. 10 min.<br/> Chloroform Water. to <math>\frac{1}{2}</math> fl. oz.<br/> *Equivalent to 12 min. of Tincture of Nux Vomica.</p>                                                                                                                                                                                              | <p><i>Tonic Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) three times a day in water.<br/> Good for weakness, loss of appetite, debility and after illness.</p>               |

(a) Chloroform 1 minim to the ounce to be added to this mixture. Ordinary table water and not distilled water is to be used.

| Mixture.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Instructions on label.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><i>Cramp or Colic Mixture. (a)</i><br/> Tinct. Capsici. 10 min.<br/> Tinct. Belladonnae 3 min.<br/> Tinct. Opii 5 min.<br/> Water to <math>\frac{1}{2}</math> fl. oz.</p> <p><i>Sedative Mixture.</i><br/> Chloral Hydratis 5 gr.<br/> Sodii Bromidum 15 gr.<br/> Emulsio Chloroformi 10 min.<br/> Liquor Azorubri 2 min.<br/> Water to <math>\frac{1}{2}</math> fl. oz.</p> <p><i>Clap Mixture. (a)</i><br/> (Mist. Sod. Cit. et Hyoscy N.W.F.).<br/> Sodium Citrate 20 gr.<br/> Sodium Bicarbonate <math>12\frac{1}{2}</math> gr.<br/> *Liquid Extract of Hyoscyamus.<br/> 3 min.<br/> Water to <math>\frac{1}{2}</math> fl. oz.<br/> *Equivalent to 30 min. of Tincture<br/> of Hyoscyamus.</p> <p><i>Calamine Lotion.</i><br/> Calamine 175 gr.<br/> Zinc Oxide 175 gr.<br/> Glycerin 120 min.<br/> Water to 8 fl. oz.</p> | <p><i>Cramp or Colic Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) in half a cupful of water.<br/> For diarrhoea this dose to be given every four hours.<br/> Good for cramp in the muscles of the stomach, legs and arms and for diarrhoea.</p> <p><i>Sedative Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) in half a cupful of water when required. (<i>Not more than four doses in a day.</i>)<br/> Good for sleeplessness, irritability, over-excitement, etc.</p> <p><i>Clap Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) three times a day in water.</p> <p><i>Calamine Lotion.</i><br/> For external use only.<br/> Good for skin complaints such as eruptions, eczema and breaking out ; also for burns. Shake the bottle.</p> |

(a) Chloroform 1 minim to the ounce to be added to this mixture. Ordinary table water and not distilled water is to be used.

### SCALE III.—MEDICINES, EMERGENCY SCALE.

| Item in Scale.                                    | War-time variation.                                                                      | Quantity. |
|---------------------------------------------------|------------------------------------------------------------------------------------------|-----------|
| Spt. Ammon. Aromat. (Aromatic Spirit of Ammonia). | Omit and substitute Liq. Ammon. Aromat (Aromatic Solution of Ammonia).                   | 2 oz.     |
| Magnesium Sulphate (Epsom Salts).                 | Retain but if necessary substitute by Sodii Sulphate. (Glauber's Salt) in 1 oz. packets. | 1 lb.     |

### SCALE III.—STOCK MIXTURES.

The following mixtures are substituted for those indicated on page 32 of Medical Scales.

| Mixture.                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Instructions on label.                                                                                                                                                                                | Quantity in parts. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <p><i>Stomach Mixture. (a)</i><br/> (Mist. Mag. Carb. Aromat. N.W.F.) Synonym. Mistura Carminativa.<br/> Light Magnesium Carbonate 5 gr.<br/> Sodium Bicarbonate 10 gr.<br/> Aromatic Tincture of Cardamon, B.P.C. 5 min.<br/> Water to <math>\frac{1}{2}</math> fl. oz.</p>                                                                                                                                                                                         | <p><i>Stomach Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) three times a day in water. Good for indigestion, pain in the stomach, wind, etc. Shake the bottle.</p> | 1                  |
| <p><i>Cough Mixture. (a)</i><br/> (Mist. Ammon. et Ipecac. Co. N.W.F.)<br/> Synonyms. Mistura Expectorans.<br/> Mistura Tussis.<br/> Ammonium Carbonate 3 gr.<br/> * Liquid Extract of Ipecacuanha <math>\frac{1}{2}</math> min.<br/> † Concentrated Camphorated Tincture of Opium 2 min.<br/> Water to <math>\frac{1}{2}</math> fl. oz.<br/> * Equivalent to 10 min. of Tincture of Ipecacuanha.<br/> † Equivalent to 16 min. of Camphorated Tincture of Opium.</p> | <p><i>Cough Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) three times a day in water. Good for coughs and colds.</p>                                                | 1                  |
| <p><i>Sweating Mixture. (a)</i><br/> (Mist. Salin N.W.F.).<br/> Synonym. Mistura Diaphoretica.<br/> Sodium Citrate 10 gr.<br/> Strong Solution of Ammonium Acetate 8 min.<br/> * Concentrated Solution of Ethyl Nitrite (1-7) 2 <math>\frac{1}{2}</math> min.<br/> Water to <math>\frac{1}{2}</math> fl. oz.<br/> * Equivalent to 20 min. approximately of Spirit of Nitrous Ether.</p>                                                                              | <p><i>Sweating Mixture.</i><br/> Dose : One tablespoonful (<math>\frac{1}{2}</math> fluid oz.) three times a day in water. Good for feverish colds, influenza or any case where the skin is hot.</p>  | 1                  |

(a) Chloroform 1 minim to the ounce to be added to this mixture. Ordinary table water and not distilled water is to be used.

# Ministry of Transport

## MERCHANT SHIPPING

## MEDICAL SCALES

### AMENDMENT No. 5 to 1945 EDITION

The following additions and amendments will become operative on the 1st April, 1951.

#### SCALE I—DRUGS

| ARTICLE<br>All drugs and materials must conform to the instructions on page 5 | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding : |     |     |       |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----|-----|-------|
|                                                                               | 99                                                                                                     | 250 | 500 | 1,000 |

Page 6

Add :—

|                                                         |              |              |              |              |
|---------------------------------------------------------|--------------|--------------|--------------|--------------|
| Aq. pro Inj. in 2 ml. ampoules                          | 12 amps.     | 12 amps.     | 24 amps.     | 48 amps.     |
| Chloramphenicol ("Chloromycetin") capsules, 0.25 gramme | 120 capsules | 120 capsules | 240 capsules | 480 capsules |

Page 10

Add :—

|                       |          |          |          |          |
|-----------------------|----------|----------|----------|----------|
| (f) Penicil. pro Inj. | 12 vials | 12 vials | 24 vials | 48 vials |
|-----------------------|----------|----------|----------|----------|

Add following footnote :—

- (f) In rubber-capped vials each containing sterile procaine penicillin G 300,000 international units and a crystalline penicillin salt 100,000 international units, with suitable suspending and buffering agents. Label to state the volume of sterile solvent to be added to the vial for the preparation of a suspension for intramuscular injection.

#### SCALE I—INSTRUMENTS AND APPLIANCES

Irrespective of Numbers and Length of Voyage

Page 13

Add :—

Needles—

Hypodermic No. 1, diameter 0.9 mm., length 36 mm. 1 doz.

#### SCALE I—SUNDRIES

| ARTICLE<br>All drugs and materials must conform to the instructions on page 5. | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |     |     |       |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----|-----|-------|
|                                                                                | 99                                                                                                      | 250 | 500 | 1,000 |

Page 15

Add :—

|                      |                                                                                                                                                      |  |  |  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| (a) Anti-V.D. Outfit | For the first 50 members of the crew, one outfit per member and one outfit for every two members of the crew exceeding 50, maximum quantity 1 gross. |  |  |  |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|

Add following footnote :—

- (a) For specification see Appendix H.

## SCALE II—MEDICINES

| This column is added for the use of Druggists supplying the medicines indicated | Names in English of Medicines, Medicaments, etc. | Proportion for ships carrying the under-mentioned number of men and boys (for 12 months) |           |             |
|---------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------|-----------|-------------|
|                                                                                 |                                                  | Up to 25 men                                                                             | 26-50 men | Over 50 men |

Page 21

Add :—

|                                                           |                                               |         |              |              |
|-----------------------------------------------------------|-----------------------------------------------|---------|--------------|--------------|
| Aq. pro Inj. in 2 ml. ampoules .. ..                      | Distilled Water for Injection with Penicillin | 9 amps. | 18 amps.     | 36 amps.     |
| Chloramphenicol (" Chloromycetin ") capsules, 0.25 gramme |                                               | —       | 120 capsules | 120 capsules |
| (c) Penicil. pro Inj.                                     | Penicillin for injection                      | 6 vials | 12 vials     | 24 vials     |

Add following footnote :—

- (c) In rubber-capped vials each containing sterile procaine penicillin G 300,000 international units and a crystalline penicillin salt 100,000 international units, with suitable suspending and buffering agents. Label to state the volume of sterile solvent to be added to the vial for the preparation of a suspension for intramuscular injection.

## SCALE II—MEDICAL STORES

|  | QUANTITY     |           |             |
|--|--------------|-----------|-------------|
|  | Up to 25 men | 26-50 men | Over 50 men |

Page 28

Add :—

|                                                                 |                                                                                                                          |   |   |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---|---|
| (h) Anti-V.D. Outfit .. .. .                                    | For the first 50 members of the crew one outfit per member and one outfit for every two members of the crew exceeding 50 |   |   |
| Hypodermic needles No. 1, diameter 0.9 mm., length 36 mm. .. .. | 6                                                                                                                        | 6 | 6 |
| (i) Hypodermic Syringe 2 ml. .. ..                              | 2                                                                                                                        | 2 | 2 |
| Microscope Slides .. .. .                                       | 6                                                                                                                        | 6 | 6 |

Add following footnotes :—

- (h) For specification see Appendix H.

- (i) Glass barrel fitted with a hexagonal metal nozzle (for Record mount) and an all glass plunger in metal case. The syringe must conform to British Standard Specification 1263 of 1946.

## APPENDIX H

### SPECIFICATION OF ANTI-V.D. OUTFIT

The Anti-V.D. Outfit shall comprise a tube of prophylactic ointment and a washing cloth to the following specifications :—

#### Anti-V.D. Ointment

##### *Formula :*

|                               |                 |
|-------------------------------|-----------------|
| Mercurous chloride .. .. .    | 30 grammes      |
| Sulphathiazole .. .. .        | 15 grammes      |
| White soft paraffin .. .. .   | 40 grammes      |
| Light liquid paraffin .. .. . | 14 grammes      |
| Cetyl alcohol .. .. .         | 1 gramme        |
| Oil of Lavender .. .. .       | 0.01 millilitre |

To be supplied in collapsible tubes, with elongated nozzles and screw caps, each containing 60 grains, and labelled Prophylactic Ointment. The length of the nozzle to be not less than  $\frac{1}{2}$  inch nor more than  $\frac{3}{8}$  inch.

#### Washing Cloth

To be of coarse weave soft cotton wash cloth, free from size or dressing, or white lint, and not less than 3"  $\times$  3" square, impregnated with soap to a total weight of approximately 10 ounces per square yard. Soap to be of the type that will lather in either hard or soft water.

Each kit to be in a separate sealed waterproof envelope bearing the following instructions :—

#### Anti-V.D. Kit

##### Instructions for use *after* exposure

1. Pass water.
2. Wet the wash cloth and thoroughly wash the penis, purse and surrounding skin.
3. Squeeze about  $\frac{1}{4}$  of the contents of the tube into the canal of the penis. Massage gently with thumb and forefinger for a few seconds after injecting the ointment.
4. Rub the rest of the ointment over the entire length of the penis, purse and adjacent abdomen and thigh for at least 3 minutes paying particular attention to the fore-skin, head and neck of penis.
5. Do not pass water for two hours after using the kit if you can avoid it.

March, 1951.

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# MERCHANT SHIPPING MEDICAL SCALES

## AMENDMENT No. 4 TO 1945 EDITION

The following additions have been made to the Medical Scales :—

### SCALE I.—DRUGS

| ARTICLE                                                             | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |     |     |      |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----|-----|------|
|                                                                     | 99                                                                                                      | 250 | 500 | 1000 |
| All drugs and materials must conform to the instructions on page 5. |                                                                                                         |     |     |      |

Page 9.

Add :—

|                                                                                                                            |         |         |         |         |
|----------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|
| * Mepacrinae hydrochloridum.<br>Tablets of 0.1 gramme.                                                                     | 100     | 100     | 100     | 100     |
| * Mepacrinae methano sulphonas,<br>in ampoules containing the<br>equivalent of 0.1 gramme of<br>Mepacrinae hydrochloridum. | 6 amps. | 6 amps. | 6 amps. | 6 amps. |

May, 1949.

(M.573/49).

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# MERCHANT SHIPPING MEDICAL SCALES

## AMENDMENT No. 2 TO 1945 EDITION

The following amendments have been made to the Medical Scales. Amendment No. 1 is hereby cancelled :—

### SCALE I—DRESSINGS

| ARTICLE                                                                                                                       |  | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding : |           |            |            |
|-------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------|-----------|------------|------------|
|                                                                                                                               |  | 90                                                                                                     | 250       | 500        | 1,000      |
| All drugs and materials must conform to the instructions appearing at the head "Scale I" of Merchant Shipping Medical Scales. |  |                                                                                                        |           |            |            |
| <i>Page 18, add :—</i>                                                                                                        |  |                                                                                                        |           |            |            |
| (h) (i)* pApproved Burn and Wound Dressing .. .. .                                                                            |  | 6 cartons                                                                                              | 9 cartons | 12 cartons | 15 cartons |
| <i>Page 18, delete :—</i>                                                                                                     |  |                                                                                                        |           |            |            |
| (e) Lint—picric—                                                                                                              |  |                                                                                                        |           |            |            |
| (c) 2" × 6" packets (small) ..                                                                                                |  | 12                                                                                                     | 12        | 16         | 20         |
| 6" × 12" " (medium) ..                                                                                                        |  | 12                                                                                                     | 12        | 18         | 24         |
| *12" × 18" " (large) ..                                                                                                       |  | 12                                                                                                     | 12        | 18         | 24         |

*Page 18, add to footnotes :—*

- (h) Jelonet/B Sulphonamide Tulle is an approved Burn and Wound Dressing. If the dressing is packed in aluminium boxes containing 36 strips, one third of the number of containers must be carried.
- (i) For conditions of approval see Appendix G overleaf.

### SCALE II—MEDICAL STORES

| ARTICLE                                           | Quantity for ships carrying the under-mentioned number of men and boys (for 12 months). |           |           |
|---------------------------------------------------|-----------------------------------------------------------------------------------------|-----------|-----------|
|                                                   | Up to 25.                                                                               | 26 to 50. | Over 50.  |
| <i>Page 27, add :—</i>                            |                                                                                         |           |           |
| (h) (i) pApproved Burn and Wound Dressing .. .. . | 3 cartons                                                                               | 3 cartons | 6 cartons |
| <i>Page 27, delete :—</i>                         |                                                                                         |           |           |
| (e) Lint—picric—                                  |                                                                                         |           |           |
| (c) 2" × 6" packets (small) ..                    | 6                                                                                       | 9         | 12        |
| 6" × 12" " (medium) ..                            | 6                                                                                       | 9         | 12        |
| 12" × 18" " (large) ..                            | 6                                                                                       | 9         | 12        |

*Page 27, add to footnotes :—*

- (h) Jelonet/B Sulphonamide Tulle is an approved Burn and Wound Dressing. If the dressing is packed in aluminium boxes containing 36 strips, one third of the number of containers must be carried.
- (i) For conditions of approval see Appendix G overleaf.

### SCALE III—MEDICAL STORES

| ARTICLE                                           | QUANTITY  |
|---------------------------------------------------|-----------|
| <i>Page 33, add :—</i>                            |           |
| (h) (i) pApproved Burn and Wound Dressing .. .. . | 3 cartons |
| <i>Page 33, delete :—</i>                         |           |
| (e) Lint—picric—                                  |           |
| (d) 2" × 6" packets (small) ..                    | 6         |
| 6" × 12" " (medium) ..                            | 3         |
| 12" × 18" " (large) ..                            | 3         |

*Page 33, add to footnotes :—*

- (h) Jelonet/B Sulphonamide Tulle is an approved Burn and Wound Dressing. If the dressing is packed in aluminium boxes containing 36 strips, one third of the number of containers must be carried.
- (i) For conditions of approval see Appendix G overleaf.

APPENDIX G

CONDITIONS OF APPROVAL OF BURN AND WOUND DRESSING

The dressing should comprise a base of open mesh tulle, measuring, after impregnation,  $3\frac{1}{2}" \times 3\frac{1}{2}"$ , and having a count not less than 18 threads per inch in the warp and not less than 20 threads per inch in the weft. This base should be impregnated evenly with a water miscible paste, similar in character to Glasgow No. 9 Cream. The weight of the tulle measuring  $3\frac{1}{2}" \times 3\frac{1}{2}"$  should be not less than 7 grains, and the weight of the dressing after impregnation not less than 50 grains; the paste impregnated into the tulle should be not less than 80% of the whole dressing. The active ingredients of the paste should be Sulphanilamide B.P. 3 per cent and Cetyl Trimethyl Ammonium Bromide 1 per cent. A suitable non-toxic agent for restraining the growth of moulds and bacteria, e.g. Beta Phenoxyethyl Alcohol, should be included.

The dressing should be packed in an individual envelope, (the dimensions of which should be not greater than  $5\frac{1}{2}"$  square) in such a manner as to allow it to retain its even impregnation. The envelope should be made of a non-reactive material, preferably not more than 50 thousandths of an inch thick, should be impermeable to moisture and should also be grease-proof. The envelope should be hermetically sealed and remain so under all conditions of sea transport. It should be printed or labelled in a suitable manner; in either case the formula should be shown in distinctive fashion in order to comply with the Poisons Regulations. Two dozen envelopes should be packed in a suitable carton appropriately labelled.

Manufacturers desiring the approval of the Ministry of Transport for a burn and wound dressing for use on board ship should submit two cartons in accordance with the above specification to Marine (Crews) Division, Ministry of Transport, Berkeley Square House, London, W.1.

(Note :—The production of Jelonet/B Sulphonamide Tulle packed in aluminium boxes containing 36 strips has been discontinued. If stocks of the dressing in boxes are available, they may be supplied in place of the cartons, in which case the number of boxes required for each ship will be one third of the number of cartons specified in the Scales. Boxes of Jelonet/B Sulphonamide Tulle already in Medical Cabinets should not be replaced unless they are in an unsatisfactory condition.)

November, 1948.

M 297/48

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# MERCHANT SHIPPING MEDICAL SCALES

## AMENDMENT No. 3 TO 1945 EDITION

The following additions and amendments will become operative on 1st February, 1949 :—

### SCALE I.—DRUGS

| ARTICLE                                                             | Quantities for ships making voyages not exceeding 30 days and with passengers and crew not exceeding :— |     |     |      |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----|-----|------|
| All drugs and materials must conform to the instructions on page 5. | 99                                                                                                      | 250 | 500 | 1000 |

Page 9.

*Delete :—*

|                                                                                                                           |                                                             |                                                             |                                                             |                                                             |
|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| (c) Mepacrinae hydrochloridum.<br>Tablets of 0.1 gramme.                                                                  | 30<br>tablets<br>per<br>member<br>of the<br>crew<br>6 amps. | 30<br>tablets<br>per<br>member<br>of the<br>crew<br>6 amps. | 30<br>tablets<br>per<br>member<br>of the<br>crew<br>6 amps. | 30<br>tablets<br>per<br>member<br>of the<br>crew<br>6 amps. |
| Mepacrinae methano sulphonas,<br>in ampoules containing the<br>equivalent of 0.1 gramme of<br>Mepacrinae hydrochloridum.. |                                                             |                                                             |                                                             |                                                             |

*Delete footnote “(c)”*

Page 10.

|                                                                                                          |                |                |                |                |
|----------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|
| <i>Add :—</i><br>(e) Proguanil hydrochloridum<br>(“Paludrine”) (in tablets of<br>0.1 gramme).            |                |                |                |                |
|                                                                                                          | 150<br>tablets | 150<br>tablets | 300<br>tablets | 300<br>tablets |
| <i>Delete :—</i><br>(d) Quininae bisulphas (in 5 gr.<br>tablets, uncoated).                              |                |                |                |                |
| <i>Add :—</i><br>(d) Quininae bisulphas or quininae<br>dihydrochloridum (in 5 gr.<br>tablets, uncoated). |                |                |                |                |
|                                                                                                          | 100            | 150            | 200            | 300            |

*Add following footnote :—*

- (e) When on voyages to ports on the West or East Coast of Africa between latitudes 20°N. and 20°S., in Madagascar or other Islands in the Indian Ocean or in the East Indies, 50 tablets per member of the crew should be carried in addition.

## SCALE II.—MEDICINES

| This column is added for the use of Druggists supplying the medicines indicated. | Names in English of Medicines, Medicaments, etc. | Proportion for ships carrying the under-mentioned number of men and boys (for 12 months). |            |              |
|----------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------|------------|--------------|
|                                                                                  |                                                  | Up to 25 men.                                                                             | 26-50 men. | Over 50 men. |
| <i>Page 23.</i>                                                                  |                                                  |                                                                                           |            |              |
| <i>Delete :—</i>                                                                 |                                                  |                                                                                           |            |              |
| (a) Quininae bisulphas or dihydrochloridum (5 gr. tablets uncoated).             | Quinine bisulphate or dihydrochloride tablets.   | 100                                                                                       | 150        | 250          |
| (b) Mepacrinae hydrochloridum, tablets of 0.1 gramme (1.5 grains).               | (b) Mepacrine tablets                            | 250                                                                                       | 500        | 1,000        |
| <i>Add :—</i>                                                                    |                                                  |                                                                                           |            |              |
| (b) Proguanil hydrochloridum (in tablets of 0.1 gramme).                         | “ Paludrine ” tablets.                           | 250                                                                                       | 500        | 1,000        |
| (a) Quininae bisulphas or dihydrochloridum (5 gr. tablets uncoated).             | Quinine bisulphate or dihydrochloride tablets.   | 150                                                                                       | 200        | 300          |

*Delete footnote “(b)” and add following footnote :—*

(b) These quantities are not to be reduced for voyages of less than 12 months and are to be increased to 50 tablets per member of the crew when on voyages to ports on the West or East Coasts of Africa between latitudes 20°N. and 20°S., in Madagascar or other Islands in the Indian Ocean or in the East Indies.

December, 1948.

(M. 6324/47)

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